

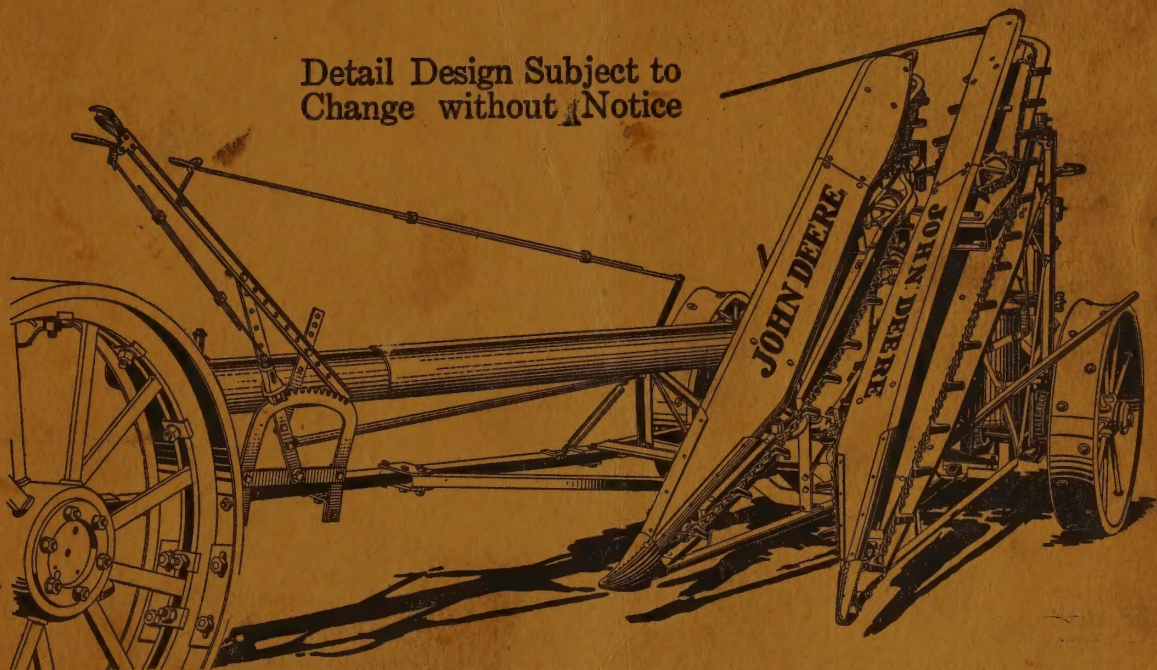
READ
Carefully
SAVE!

Directions

FOR SETTING UP
AND OPERATING

JOHN DEERE POWER DRIVEN CORN BINDER

Detail Design Subject to
Change without Notice



WITH LIST AND ILLUSTRATIONS OF REPAIR PARTS

JOHN DEERE HARVESTER WORKS *of* DEERE & CO.
EAST MOLINE, ILLINOIS, U. S. A.

Manufacturers of Grain, Corn and Rice Binders, Combines, Threshers, Corn Pickers,
Field Ensilage Harvesters and Blowers, High-Lift Enclosed-Gear and Power Mowers,
Mower Knife Grinders, Sulky Rakes and Extensive Power Equipment.



SATISFACTORY SERVICE DEPENDS ON PROPER SETTING UP AND THOROUGH LUBRICATION

After unpacking and placing all parts where they will be handy, **follow all of the directions carefully.**

The John Deere Power Driven Corn Binder is set up as illustrated in the following pages. The darkened portions of the progressive illustrations show clearly the parts to be assembled and attached in proper order. Where the instructions or the connecting points are numbered, **follow closely** the order in which they are numbered and lettered. Arrows are also used to point out important adjustments or parts that need special attention in setting up.

In bolting on parts, do not tighten each bolt as it is put in, but put in all bolts, loosely at first; then tighten after unit is completely in place. Be sure to place lock washers on the bolts and **keep nuts tight.** Spread cotters.

Lubricate all bearings and working parts freely when setting up machine. Pour **one pint** of transmission oil in drive gear case. Be sure grease fittings are not clogged with paint. The oiling system on the John Deere Power Driven Corn Binder makes lubrication easy and effective. Brush chains freely with a heavy oil.

Loosen paint in slip clutches by slipping several times. Never put a bearing together with the parts clogged with paint. Some paint may be removed with kerosene and oil; in other cases, it must be scraped.

UNIVERSAL JOINTS

Scrape paint and remove burrs from square end of drive shafts before attaching universals. Tighten attaching bolts evenly and be sure side bars fit down evenly on square end of shaft and center block. Be sure leather washers are in place on center block.

Lubricate Universals Freely Before Starting.

It may take a little longer to set up a machine with this extreme care, but it will result in greater satisfaction and longer wear.

LOCATION REFERENCES "Right" and "Left", "Front" and "Rear" refer to the operator's "Right" or "Left" and "Front" or "Rear" when facing the same direction machine is headed or traveling.

See pages 47 to 53 inclusive, for Operating Instructions.

See outside of rear cover for Features of Merit.

Donated Marvin E. Kuehn RB#1 Rochester, Mn. 55901
By

SHIPPING PACKAGES

The John Deere Power Driven Corn Binder is shipped in the following shipping packages:

Package Number	Package Description
1301 MM	Steel Main Wheels (2)
1313 MM	Left Hand Axle (For steel wheel)
1318 MM	Power Bundle Carrier
1325 MM	Right Hand Axle (For steel wheel)
1432 MM	Binder Crate, Adjustable Head
1433 MM	Right Hand Lower Gatherer
1434 MM	Right Hand Gatherer
1421 MM	Left Hand Gatherer
1417 MM	Main Frame
1422 MM	Tractor Hitch and Power Drive
1429 MM	Power Shaft Shields
1430 MM	Discharge Arm Stripper
BUNDLE ELEVATOR AND WAGON HITCH (See Pages 34 to 38, Inclusive)	
1326 MM	Steel Caster Wheel for Bundle Elevator and Wagon Hitch
1409 MM	Caster Wheel Axle Bracket for Bundle Elevator
1364 MM	Elevator Bottom
1334 MM	Platform
1406 MM	Bundle of Parts for Bundle Elevator
1426 MM	Wagon Hitch
1425 MM	Wagon Hitch Bracket
497 MM	Wagon Hitch Pull Pipe Bracket for Tractor Drawbar
SOYBEAN ATTACHMENT (See Pages 40 and 41)	
1317 MM	Gatherer Extension Points (2) and Fender Stick
1352 MM	Gatherer Shields
1436 MM	Deck Extension, Front
MISCELLANEOUS	
1438 MM	R. H. Main Wheel Extension—(See pages 38 and 39)
1439 MM	Bundle Elevator Pull Pipe Connection (Used with 1438 MM)
1370 MM	Bundle Top Retainer
1431 MM	Top Bundle Ejector—(See page 39)
1399 MM	Low Cutting Attachment—(See page 45)
1435 MM	Tall Corn Attachment—(See page 42)
1437 MM	Butt Pan Tractor Control Lever—(See page 46)

Tractor Hook-Up Equipment for John Deere Power Driven Corn Binder

TRACTORS	Extension Draw- Bar	Swing- ing Draw- bar Clamp	Uni- versal and Pipe Convec- tion	Shield Between Tractor and Binder	Shield on Front Bearing Support for Power Line	Take-Off Shaft Exten- sion	Misc.
John Deere Models "A", "AN", "ANH", "AW" and "AWH" Serial Nos. 410,000 to 459,999 Incl.	9391	10767	10097	10476	10481		
John Deere Models "A", "AN", "ANH", "AW" and "AWH" Serial Nos. 460,000 to 487,999 Incl.		10767	10097	10476	10481		
John Deere Models "A", "AN", "ANH", "AW" and "AWH" Serial Nos. 488,000 and Up		10767	10106	10476	10481		
John Deere Models "B", "BN", "BNH", "BW" and "BWH" Serial Nos. B1000 to B42,199 Incl.	9391	10767	10097	10476	10481		
John Deere Models "B", "BN", "BNH", "BW" and "BWH" Serial Nos. B42,200 to B149,699 Incl.		10767	10097	10476	10481		
John Deere Models "B", "BN", "BNH", "BW" and "BWH" Serial Nos. B149,700 and Up		10767	10106	10476	10481		
John Deere Models "G" and "GM"		10767	10100	10476	10481		
John Deere Model "H"		10767	10097	10476	10481		
John Deere Model "D" Serial Nos. 109,944 to 143,799 Incl.	10104		10106	10476	10481		
John Deere Styled "D" Serial Nos. 143,800 to 154,469 Incl.	10105		10106	10476	10481		
John Deere Styled "D" Serial Nos. 154,470 and Up		10767	10106	10476	10481		
John Deere Models "AR-117" Serial Nos. 250,000 to 259,999 Incl. and "AO-121" Serial Nos. 250,075 to 253,520 Incl., "BR-120" Serial Nos. 325,000 to 328,999 Incl. and "BO-122" Serial Nos. 325,084 to 328,999 Incl.	9434	10767	10097		*10537		
John Deere Models "AR-159" and "AO-165" Serial Nos. 260,000 to 262,899 Incl.	9434	10767	10106	10476	10481		
John Deere Models "AR-169" and "AO-165" Serial Nos. 262,900 and Up		10767	10106	10476	10481		
John Deere Model "AO-128" Serial Nos. AO-1,000 to AO-1,900 Incl.	9435	10767	10097		*10537		
John Deere Models "BR-138" and "BO-139" Serial Nos. 329,900 and Up		10767	10097	10476	10481		
John Deere Model "GP" Standard Tread			10097		*10537	10149	†10111
John Deere Model "GP" Wide Tread Serial Nos. Up to 404,809 Incl.			10097		*10537	10379	†10111
John Deere Model "GP" Wide Tread Serial Nos. 408,810 and Up			10097		*10537	10379	†10111
McCormick-Deering Models Farmall "H" up to Serial Nos. FBH 118,000	10559		10097	10476	10481		
McCormick-Deering Models Farmall "H" Serial Nos. FBH 118,000 and Up			10106	10476	10481		
McCormick-Deering Models Farmall "M" Up to Serial Nos. FBK 59,957	10500		10106	10476	10481		
McCormick-Deering Models Farmall "M" Serial Nos. FBK 59,957 and Up			10106	10476	10481		
McCormick-Deering Models Farmall "F-12" and "F-14"	10134		10097		*10537		**2802

*Old Style Shields Furnished only.

†Universal Joint Connection Coupling.

**Power Shaft Shield on Tractor.

Tractor Hook-Up Equipment for John Deere Power Driven Corn Binder—Continued

TRACTORS	Extension Draw-Bar	Swinging Draw-Bar Clamp	Universal and Pipe Connection	Shield Between Tractor and Binder	Shield on Front Bearing Support for Power Line	Take-Off Shaft Extension	Misc.
McCormick-Deering Models Farmall "Reg" and "F-20"	10367		10097		*10537		†10111
McCormick-Deering Model Farmall "F-30"	10367		10097		*10537		†10113
McCormick-Deering Model "10-20"			10106		*10537		††10133
McCormick-Deering Models "15-30" and "22-36"			10106		*10537		††10133
McCormick-Deering Model "W-30"			10106		*10537		††10133
Case Model "RC" New Style with Standard or Long Shaft or "RC", Old Style, with Power Lift	9446		10097	10476	10481		
Case Model "RC" with Old Style or Short Shaft, less Power Lift	9446		10097		*10537	10152	
Case Model "C", New Style, with Standard or Long Shaft or "C", Old Style, with Power Lift	9446		10106	10476	10481		
Case Model "C" with Old Style or Short Shaft, less Power Lift	9446		10097		*10537	10136	
Case Model "L"			10106	10476	10481		
Case Models "CC" and "DC" New Style, with Standard or Long Shaft or Old Style with Power Lift	9446		10106	10476	10481		
Case Models "CC" and "DC" with Old Style or Short Shaft, less Power Lift	9446		10097		*10537	10136	
Case Model "SC"	11506		10097	10476	10481		
Case Model "VC"	1428		10106 or 10097	10476	10481		†498
Massey-Harris Models "101-S" Sr. and "101-R" Sr. "101-S" Jr. and "101-R" Jr.	10559		10106	10476	10481		
Allis-Chalmers Model "RC" and "WC"			10106	10476	10481		
Allis-Chalmers Model "C"	11508		10097	10476	10481		
Minneapolis-Moline Models "JTU" and "JTN" without Power Lift and "ZTU" and "ZTN" without Power Lift	9515		10106	10476	10481		
Minneapolis-Moline Models "KTA", "KT" and "Kombination" without Power Lift	10667		10106	10476	10481		
Minneapolis-Moline Models "MTA" and "MT" Universal without Power Lift	10667		10106	10476	10481		
Minneapolis-Moline Models "RTU" and "RTN"			10106	10476	10481		
"Caterpillar" "Twenty-Two" (2-F Series)			10106		*10537		
"Caterpillar" "D-2" (3-J and 5-J Series)	10258		10106		*10537		
Oliver Row-Crop (4 Cylinder)	10155		10097	10476	10481		
Oliver Model "70" Row-Crop	9519		10097	10476	10481		
Oliver Model "60" Row-Crop			10106	10476	10481		

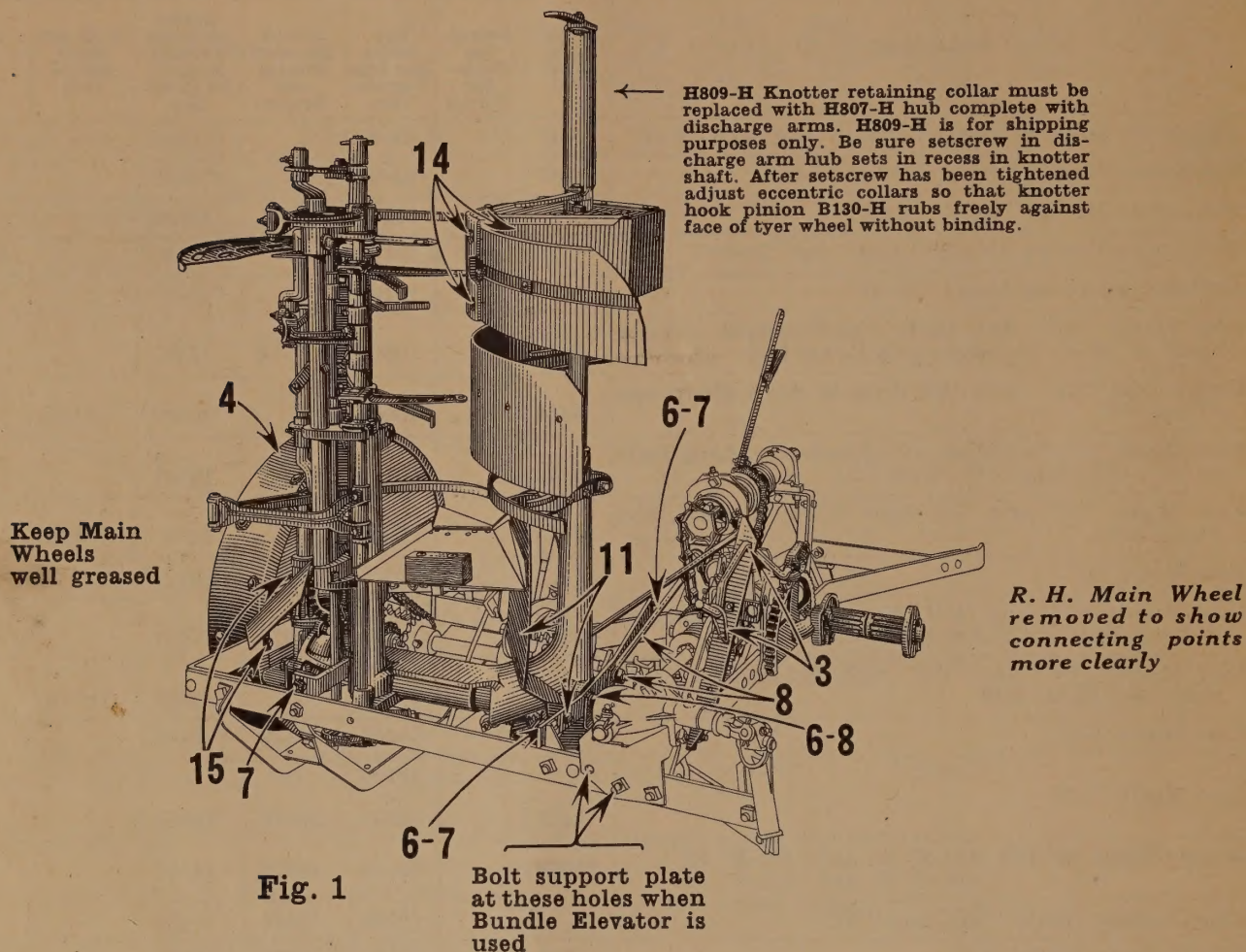
*Old Style Shields Furnished only.

†Universal Joint Connection Coupling.

††Power Take-Off Shield, Splined Connection and Drawbar Extension.

‡Extension Drawbar Bundle of Parts.

MAIN FRAME, MAIN WHEELS AND BINDER ATTACHMENT



1. (Fig. 2.) Pour one pint of transmission Oil in Main Drive Gear Housing.
2. Instructions for installing Main Wheel Axles in regular or low cutting position. For setting wheels in high cutting position, see instructions on page 13. Long axle goes to right—short to left.

R. H. Main Wheel Axle—(Fig. 2.) Bolt inner support loop bracket for R. H. main wheel axle to main frame middle cross sill using upper hole in bracket. Slide R. H. wheel axle into inner support bracket and bolt outer support bracket for R. H. wheel to main frame sill as shown. Attach flat brace for outer support bracket to **inside** of support bracket and to **outside** of frame sill. Flat brace goes to **front** of R. H. bracket as shown.

L. H. Main Wheel Axle—(Fig. 4.) Slide L. H. main wheel axle into upper inner support loop bracket (See "A", Fig. 12) and bolt outer support bracket for L. H. wheel to main frame sill as shown at "A". Attach flat brace for outer support bracket to **inside** of support bracket as shown at "B" and to outside of frame sill as shown at "C". Do not bolt rear end of brace at "C" for the time being. Flat brace goes to **rear** of L. H. bracket as shown.

MAIN FRAME, MAIN WHEELS AND BINDER ATTACHMENT—Continued

3. (Figs. 1 and 2.) Slip raising crank support post with link onto raising crank at upper hole in support post. Bolt post to **outside** of main frame sill **at same time** setting bundle carrier clutch throw-out yoke over clutch—brace bolts at R. H. bolt for bundle carrier gear housing support plate.

Note: Be sure to adjust stop bolt at "A", see Fig. 11, and throw-out yoke at "B", Fig. 2, so that clutch jaws have $1/8''$ clearance when disengaged and so yoke is free and does not drag on clutch when engaged.

4. (Fig. 1.) Slide main wheels, L. H. and R. H., and roller bearings onto axles—fill with grease—steel washers go at **each** end of hubs.

5. (Fig. 2.) Hook detent rod into detent and bolt butt pan lever to lever extension with hand latch forward.

6. (Fig. 1.) Remove support bar, R. H., from main frame and bolt loosely to binder attachment.

7. (Fig. 1.) Raise butt pan. Lay attachment on floor with **lower end inside** of main frame and lift attachment into place. Bolt R. H. support bar loosely to brackets on main frame. Bolt L. H. support bar and upright support angle to main frame. Upright support angle **goes** to **outside** of main frame. Attach rear end of flat brace for L. H. main wheel axle bracket, see "C", Fig. 4. Swing up round brace on L. H. side of main frame and bolt to upper support angle as shown at "A", Fig. 5.

8. (Fig. 1.) Bolt cam gear shield with brackets to outside of binder attachment R. H. support bar at the same time attaching brace from power shaft rear support plate. **Tighten all nuts.**

9. (Fig. 2.) Hook bundle carrier shifter rod (**Hook In**) into bell crank as shown.

10. (Fig. 2.) Attach round brace for R. H. raising crank support post to underside of binder frame and to support post.

11. (Fig. 1.) Enter strap, attached to binder frame L. H. crotch brace, into slot in rear throat side sheet and set throat side sheet into place—bolt to **underside** of butt chain board at front and to **inside** of binder support bar, R. H. at **rear**.

Be sure to adjust stop bolt at "A" (See Fig. 11) and throw-out yoke at "B" so that clutch jaws have $1/8''$ clearance when disengaged and so yoke is free and does not drag on clutch when engaged

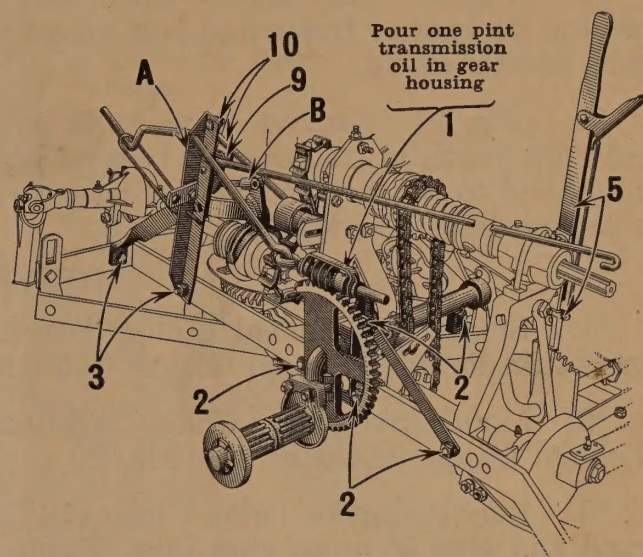


Fig. 2

MAIN FRAME, MAIN WHEELS AND BINDER ATTACHMENT—Continued

12. Bolt discharge arm stripper to **inside** of breast plate support angle at **front**, and to **strap** on R. H. binder frame crotch brace as shown at "A", Fig. 3.

13. Bolt butt chain stripper rod "B", Fig. 3, to top of butt chain board.

14. (Fig. 1.) Slide knotter shield out, (See Fig. 58). Hook brace for breast plate stripper into lug on knotter frame and bolt breast plate stripper to R. H. side of breast plate. Replace knotter shield.

15. (Fig. 1.) Remove stove bolts in binder drive gear shield (packed in twine can) and Zerk fitting in packer shaft bearing box. Slip split end of shield over packer shaft. Re-bolt shield to bracket and bolt bracket to **inside** of main frame sill. Replace Zerk fitting in packer shaft. (See Fig. 4.)

DRIVE CHAINS

*1. Binder Attachment Roller Drive Chain (52 Links). Tightener sprocket works against **underside** of chain. Adjust tightener.

*2. Main Drive Roller Chain (58 Links). Tightener sprocket works against **R. H. side** of chain. Adjust tightener. (See Fig. 2.)

*3. Bundle Carrier Drive Chain (18 Links, No. 62 Steel). Run **hook** end of link **forward** and **slot** or **open side out**. Tightener works against **R. H. side** of chain. Adjust tightener. (See Fig. 2.)

*For tension of chains, see pages 47 and 48. Be sure roller chain **tightener sprockets** are assembled on studs so that **they line up with drive and driven sprockets**.

RIGHT HAND GATHERER

1. (Fig. 3.) Bolt R. H. gatherer knuckle shield to top of butt chain board and to breast plate support angle.

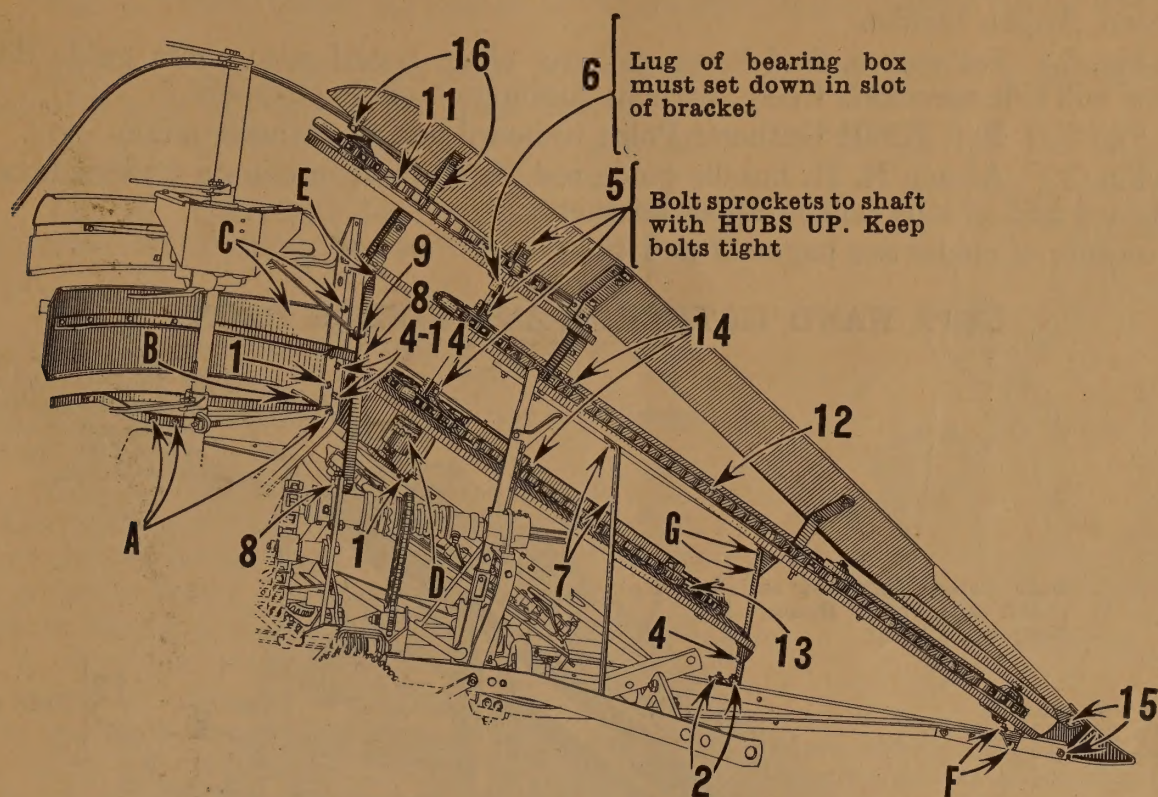
2. (Fig. 3.) Bolt R. H. lower front gatherer support to gatherer angle.

3. (Fig. 3.) Remove bolt at "C" which holds support bracket for middle gatherer board to breast plate support angle. Slide stripper shield between breast plate support angle and support bracket.

4. (Fig. 3.) With retarding spring swung to **rear**, bolt R. H. lower gatherer chain board and stripper shield to breast plate support angle. Stripper shield fits next to breast plate support angle. Bolt gatherer chain board to gatherer support at front. Tighten bolt at "C" so that stripper shield is clamped between breast support angle and gatherer chain board support bracket.

5. (Fig. 3.) Assemble drive shaft, upper, with three sprockets (**Hubs up**) in gatherer.

RIGHT-HAND GATHERER—Continued



Main Wheel removed to show connecting points more clearly

Fig. 3

Attach chains with flat side of lug next to corn

6. (Fig. 3.) Set gatherer into place with driven knuckle over drive knuckle at "D". Bolt at "E", "F", and "G". Be sure that **lug** on bearing box sets **down in slot of bracket**.

7. (Fig. 3.) Bolt round support brace to **underside** of gatherer chain board and to gatherer angle brace.

8. (Fig. 3.) Bolt gatherer board support angle to **underside** of gatherer chain board as shown at "E" and to L. H. bolt in power rear support plate, then bolt brace for stripper shield to left of support angle at second (inside) hole in brace.

9. (Fig. 3.) Attach round brace for knotter to ear on knotter casting and to gatherer chain board support angle as shown.

10. **Tighten all bolts securely.**

*11. (Fig. 3.) H2661H—Gatherer Top Chain—39 links—**Flat side** of lug goes **next** to corn. Adjust tension.

*12. (Fig. 3.) H2660H—Long Gatherer Chain—100 links—**Flat side** of lug goes **next** to corn. Adjust tension.

RIGHT-HAND GATHERER—Continued

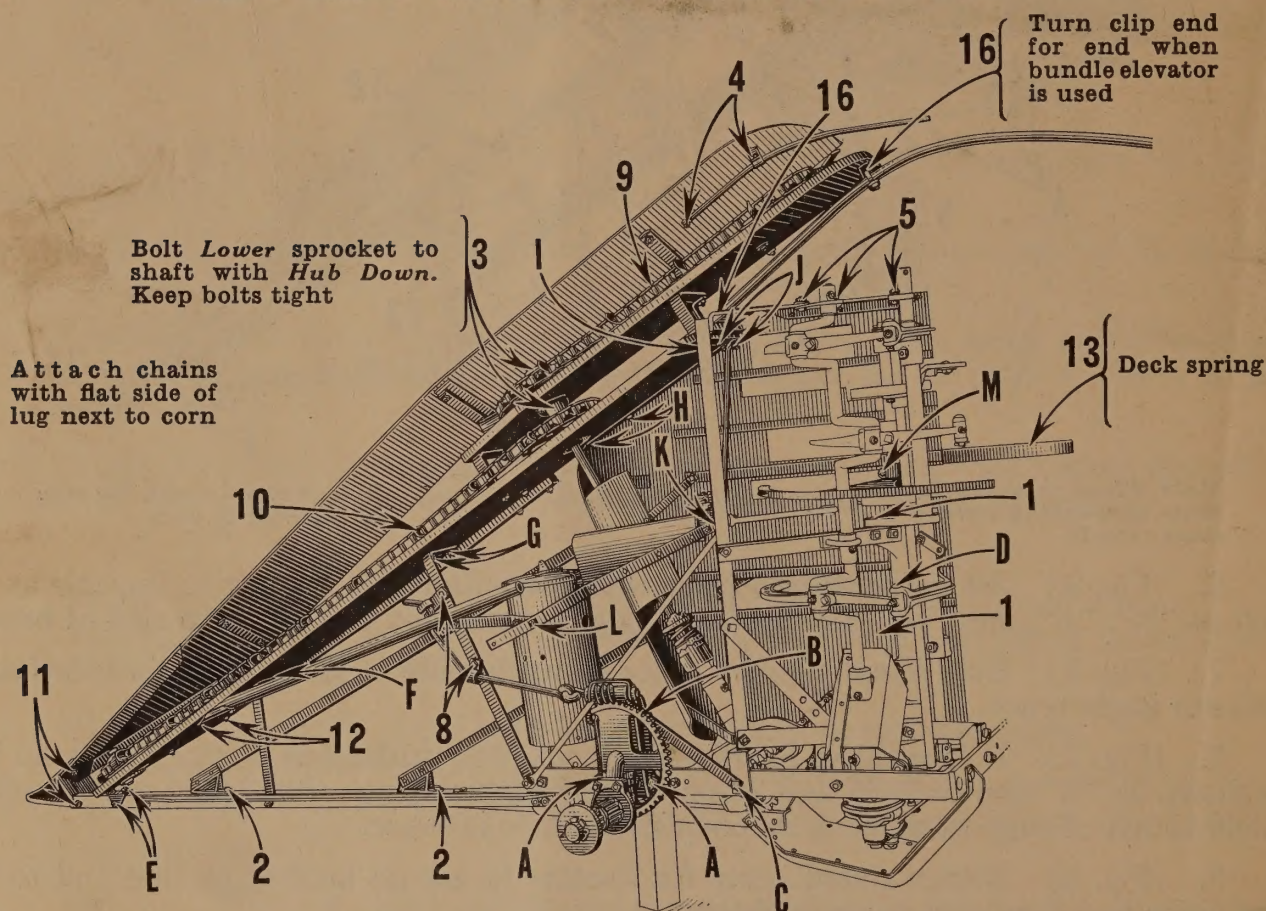
*13. (Fig. 3.) H1256H—R. H. Lower Gatherer Chain—60 links—Flat side of lug goes **next** to corn. Adjust tension.

14. (Fig. 3.) Set rear end of lower gatherer chain board, also chain guide board so that chains will ride sprockets freely, without rubbing on chain strippers.

15. (Fig. 3.) Bolt H92H Gatherer Point to board and to gatherer angle.

16. (Fig. 3.) Attach R. H. bundle guide rod. Secure rod in clip on underside of gatherer top board and to long bolt in upper bracket.

*For tension of chains see pages 47 and 48.

LEFT HAND GATHERER AND BINDER DECK

Throat spring brackets are adjustable in and out to hold stalks into chains. (See page 48)

Fig. 4

Main wheel removed to show connecting points more clearly

1. (Fig. 4.) Remove packer link pin at "D". Set binder deck into place and bolt to binder frame. Bolt brace at bottom of deck to **front** side of binder attachment support angle. Replace pin at "D".

LEFT HAND GATHERER AND BINDER DECK—Continued

2. (Fig. 4.) Bolt throat springs to L. H. gatherer angle—**short** spring goes to **rear**. (See Page 48.)

3. (Fig. 4.) Assemble drive shaft, upper, with two sprockets in gatherer—**upper** sprocket with **hub up**—**lower** with **hub down**.

4. (Fig. 4.) Reverse top board rod and secure to board with rear end of rod pointing **in**.

5. (Fig. 4.) Bolt deck top extension to deck and to packer crank upper box bracket support bar as shown.

6. (Fig. 4.) Swing gatherer supports into position and set gatherer into place with driven knuckle **over** drive knuckle. Bolt at "E", "F", "G", "H" and "I". **Be sure that lug of bearing box sets down in slot of bracket.**

7. (Fig. 4.) Remove the two bolts at "J" which holds gatherer chain board to support bracket. Slip bent edge of binder deck between support bracket and gatherer board. Fit deck top extension to top of gatherer board and round brace to underside of board. Replace the two bolts at "J".

8. (Fig. 4.) Secure L. H. main wheel raising crank to gatherer support with brackets, as shown.

*9. (Fig. 4.) H1550H—Gatherer Top Chain—52 links—**Flat side** of lug goes **next** to corn. Adjust tension.

*10. (Fig. 4.) H1252H—Long Gatherer Chain—99 links—**Flat side** of lug goes **next** to corn. Adjust tension.

11. (Fig. 4.) Bolt H91H Gatherer Point to board and to gatherer angle.

12. (Fig. 4.) Bolt fender stick to **underside** of gatherer chain board. **Put in bolts from the top.**

13. (Fig. 4.) Insert front end of deck throat spring into slotted hole at front end of deck, from the **inside**, then bolt deck spring to deck and stiffener bar, as shown.

14. (Fig. 5.) Bolt gatherer chain drive shaft shield to binder deck as shown. **Note:** Brace on shield bolts to back side of deck.

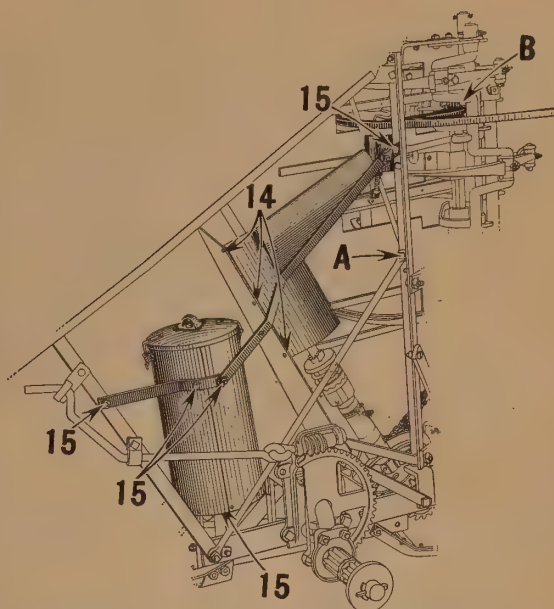
15. (Fig. 5.) (Tall Corn Position only) Attach twine can and twine can upper support with twine guard as shown.

16. (Fig. 4.) Attach L. H. bundle guide rod. Secure rod in clip at upper end of gatherer top chain board and bolt front end of rod to L. H. bolt in chain board bracket. Secure hook bolt over rod and through bracket at upper end of gatherer chain board.

Note: When bundle elevator is used, remove clip, turn clip end for end, and rebolt it to gatherer board, to place guide rod in relation to bundle elevator.

17. Tighten all bolts.

*For tension of chain see pages 47 and 48.



Main Wheel removed to show connecting points more clearly

Fig. 5

Tractor Hitch, Power Drive, Tilting Lever and Shields

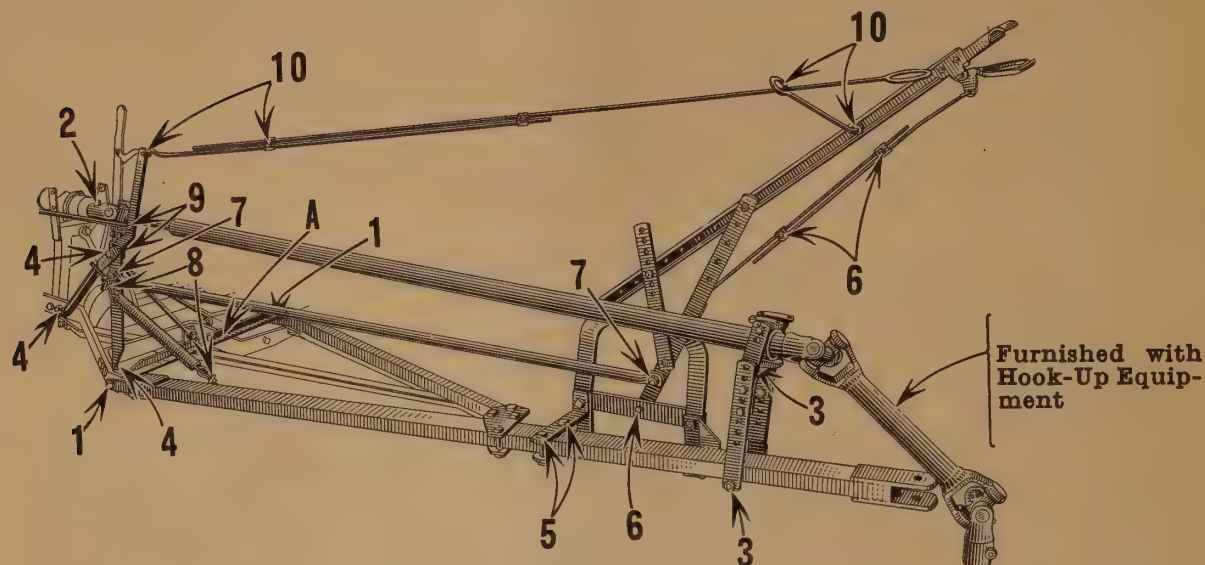


Fig. 6

1. (Fig. 6.) Bolt hitch to binder main frame—bolt cross angle “A” on top of hitch as shown.

2. (Fig. 6.) Set power drive shaft assembly onto tractor hitch. Slide splined universal joint at rear of power shaft onto splined drive shaft on binder frame. Secure universal in place with cotter and clamp bolt.

3. (Fig. 6.) Attach front bearing lower support bracket to tractor hitch as shown. Secure front bearing upper support bracket to lower support bracket with special shoulder bolt as shown.

4. (Fig. 6.) Bolt tilting frame to front of main frame front sill. Angle brace bolts to outside of lever frame.

5. (Figs. 6 and 7.) Bolt tilting sector to tractor hitch.

6. (Figs. 6 and 7.) Attach tilting lever to sector with pin and cotters. **Be sure dogs on tilting lever fit into notches in tilting sector.** Hook detent rod into detent on lever frame. Detent rod is adjustable when lever is changed for convenience of operator.

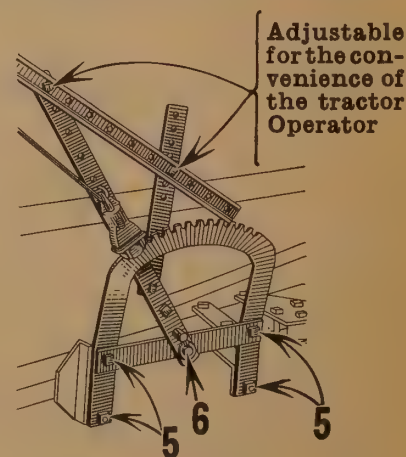
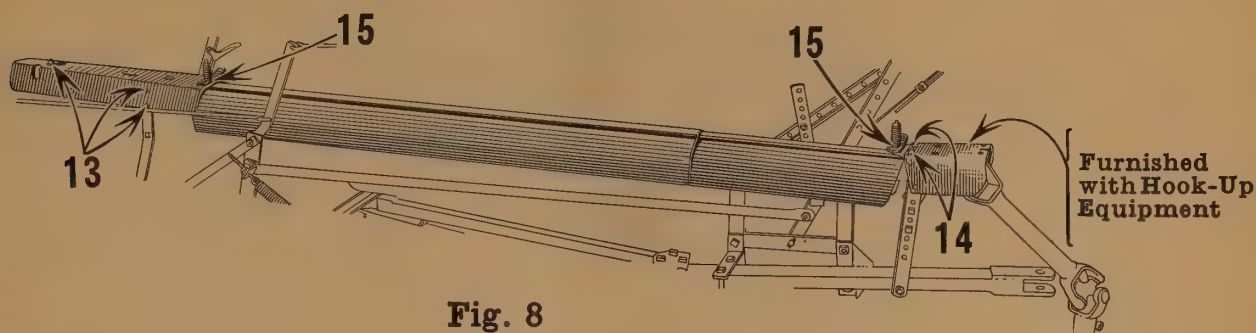


Fig. 7

TRACTOR HITCH, POWER DRIVE, TILTING LEVER AND SHIELDS—Continued



7. (Fig. 6.) Bolt tilting lever connecting link pipe to tilting lever and to tilting frame upright angle on binder main frame.

8. (Fig. 6.) Place binder balancing spring in position shown and adjust so binder tilts easily.

9. (Fig. 6.) Hook bundle carrier clutch shifter arm into shifter rod on binder and bolt shifter arm to the inside of tilting lever frame upright angle—offset of arm goes toward gatherers.

10. (Fig. 6.) Hook bundle carrier shifter rod into clutch shifter arm on tilting lever frame and bolt shifter rod support to tilting lever—rod is adjustable for convenience of operator. Set loop end of shifter rod support up or down for convenience of operator.

11. **Tighten all bolts securely.**

12. Set B272H swivel on bundle carrier clutch shifter yoke, adjusting rod at "B", Fig. 2, so that teeth on jaws clear about $1/8''$ when shifter arm is in the forward position. **Adjust Stop Bolt "A", Figs. 2 and 11** in bell crank bracket, so that clutch will shift easily and so that bell crank **will not lock over center.**

13. (Fig. 8.) Bolt rear shield into position as shown.

14. (Fig. 8.) Bolt front shield to power shaft front bearing bracket.

15. (Fig. 8.) Set telescoping shield over power shaft and secure in place with spring clips as shown.

Power Bundle Carrier

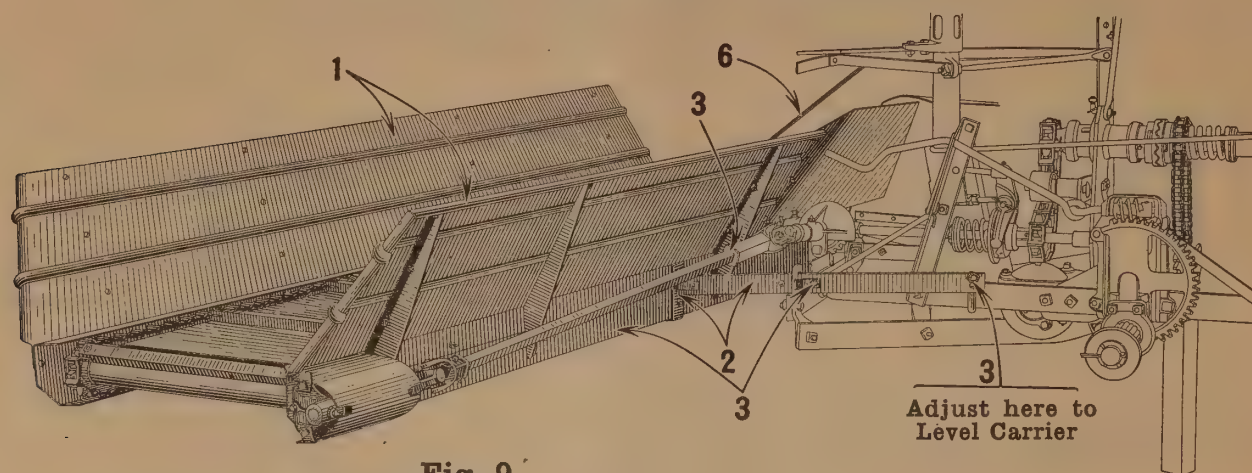


Fig. 9

1. (Fig. 9.) Bolt sides to carrier bottom.
2. (Fig. 9.) Secure support beam in Carrier—with bracket at rear end of beam.
3. (Fig. 9.) **To attach Carrier:** Remove hook and bracket from front end of carrier support beam.

Slip support beam through slotted bracket on Main Frame and Carrier Drive Shaft into drive sleeve, then bolt support at L. H. end of Carrier to Main Frame—See Fig. 10. Shield on Carrier front side goes to R. H. side of rear throat side on Binder. Hook support beam hook **under** Main Frame Sill and bolt hook to support beam. Two holes are provided in support beam to **level** carrier. Rebolt bracket to support beam at front of slotted bracket on Main Frame.

4. (Fig. 10.) Bolt Shield to Front Sill of Carrier. Shield goes to **rear** of Butt Pan and **over** Main Frame.

5. (Fig. 10.) Hook Idler Shaft shield rod into bracket on rear side—then slip bracket "**A**" (twisted end up) over front end of shield rod and bolt bracket to Carrier Support.

6. (Figs. 9 and 10.) Hook Bundle Carrier support rod into crossbar at L. H. end of Carrier and cotter opposite end to bracket on Binder Attachment Frame.

7. Adjust tension of conveyor chain at "**B**", Fig. 10. Both sides. See pages 41 and 42.

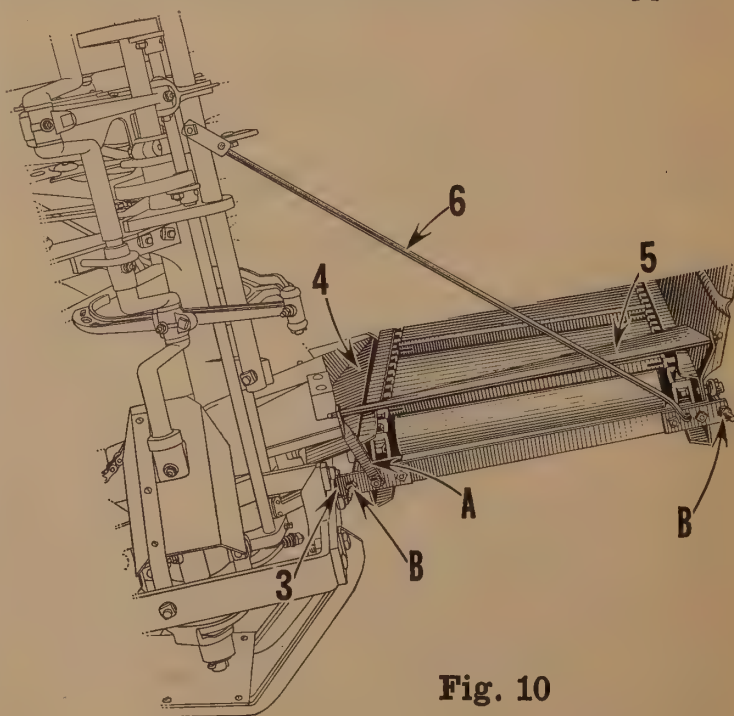


Fig. 10

Main Wheels in High Cutting Position

Note: (Binder is shipped with main wheels in regular or low cutting position. To change wheels to high cutting position, when a higher cutting clearance is desired, follow the following instructions.)

R. H. Main Wheel:

1. Block L. H. main wheel and jack up R. H. side of machine.

2. Remove R. H. wheel with axle assembly.

3. (Fig. 11.) Remove inner support bracket for R. H. main wheel axle and rebolt to main frame middle cross sill in position with loop down as shown.

4. (Fig. 11.) Remove link for raising crank from support post and recotter to post in lower position as shown.

5. (Fig. 11.) Remove pin which secures worn gear to raising crank. Slide crank to rear and replace pin in worm gear and in front hole in crank as shown.

6. (Fig. 11.) Slide raising crank into strap and link on raising crank support post. Fit R. H. wheel axle into inner support bracket and bolt outer support bracket for R. H. wheel to main frame support sill as shown. Attach flat brace for outer support bracket to **inside** of support bracket and to **outside** of frame sill as shown.

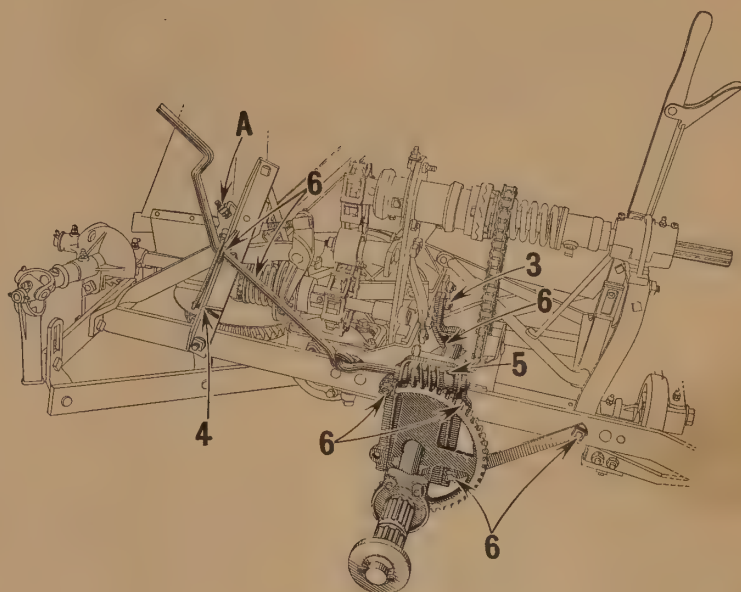


Fig. 11

L. H. Main Wheel:

7. Block R. H. main wheel and jack up L. H. side of machine.

8. Remove L. H. wheel with axle assembly and raising crank support brackets.

9. (Fig. 12.) Slide L. H. main wheel axle into lower inner support bracket and bolt outer support bracket for L. H. wheel to main frame support sill as shown.

MAIN WHEELS IN HIGH CUTTING POSITION—Continued

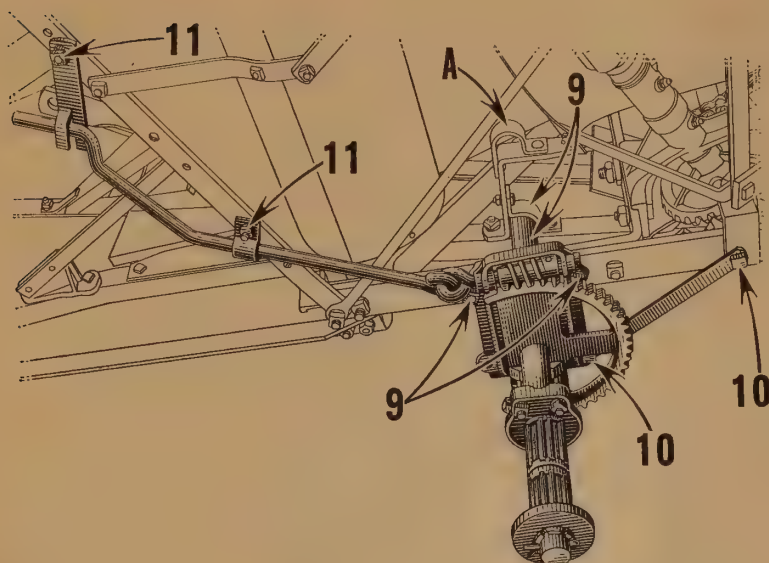


Fig. 12

10. (Fig. 12.) Attach flat brace for outer support bracket to **inside** of support bracket and to **outside** of frame sill as shown.

11. (Fig. 12.) Secure L. H. main wheel raising crank and lock to gatherer support at lower position with brackets as shown.

TO CHANGE BINDER ATTACHMENT FROM LONG CORN TO SHORT CORN POSITION

1. Remove needle from needle shaft. (See "B", Fig. 5.)
2. Remove stripper shield from breast plate support angle and R. H. gatherer support angle. (See "C", Fig. 3.)
3. Remove round brace for knotter from ear on knotter casting and from R. H. gatherer support angle. (See "9", Fig. 3.)
4. Loosen setscrew holding tyer wheel to knotter shaft.
5. (Fig. 13.) Loosen setscrew in lower end of discharge arm hub, "A".
6. Remove bolt securing breast plate to breast plate support angle.
7. (Fig. 13.) Slide complete knotter, breast plate and discharge arm assembly down on knotter shaft. Secure complete assembly to knotter shaft with setscrews. Be sure setscrews fit in holes in shaft.
8. (Fig. 13.) Rebolt breast plate to breast plate support angle using lower hole.

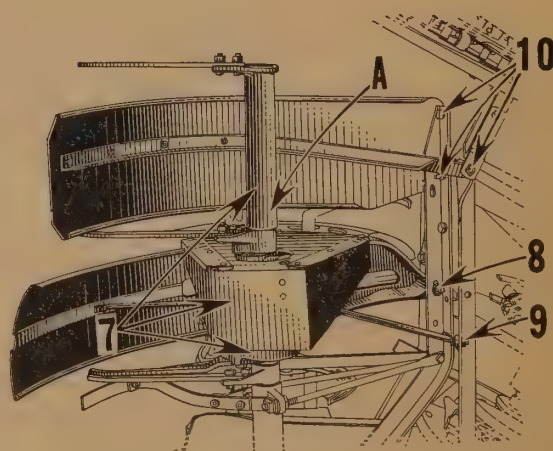


Fig. 13

TO CHANGE BINDER ATTACHMENT FROM LONG CORN TO SHORT CORN POSITION—Continued

9. (Fig. 13.) Rebolt round brace to ear on knotter casting and to R. H. gatherer angle as shown.

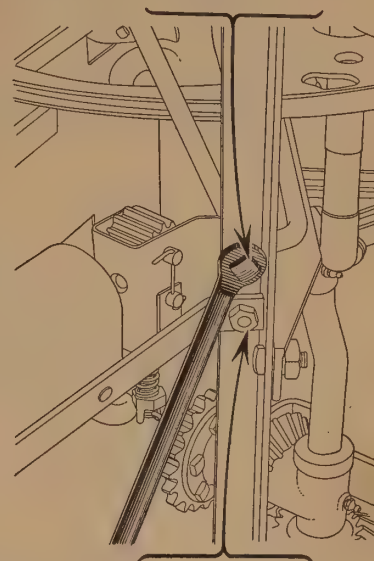
10. (Fig. 13.) Rebolt stripper shield to upper breast plate support angle and to R. H. gatherer board support angle, using outer hole in stripper shield brace. Be sure lower end of shield fits between breast plate support angle and gatherer support bracket.

11. (Fig. 4.) Move twine guide shield support, twine tension bracket and twine guide to lower position on L. H. gatherer support angle as shown at "K". At the same time bolt lower end of twine guide shield support to twine can at "L".

Note: Twine tension bracket takes both holes at "K" (Fig. 4). Twine guide shield takes lower bolt at "K" and binder frame support round brace takes upper bolt at "K". Bolt gatherer chain board round brace and twine guide to rear of binder frame upright support angle at upper bolt at "K". (Also see Fig. 14.)

12. (Fig. 4.) Replace needle at "M". Be sure key is in place between shaft and needle. **Note:** Cap for needle hub has locating pin which fits in hole in shaft.

Short corn:
Bolt round brace to binder support angle at upper bolt through twine tension bracket



Short corn:
Bolt twine shield bracket to binder support angle at lower bolt through twine tension bracket

Fig. 14

HOOK-UP FOR JOHN DEERE MODELS "A", "AN", "ANH", "AW" AND "AWH" AND "B", "BN", "BNH", "BW" AND "BWH" TRACTORS

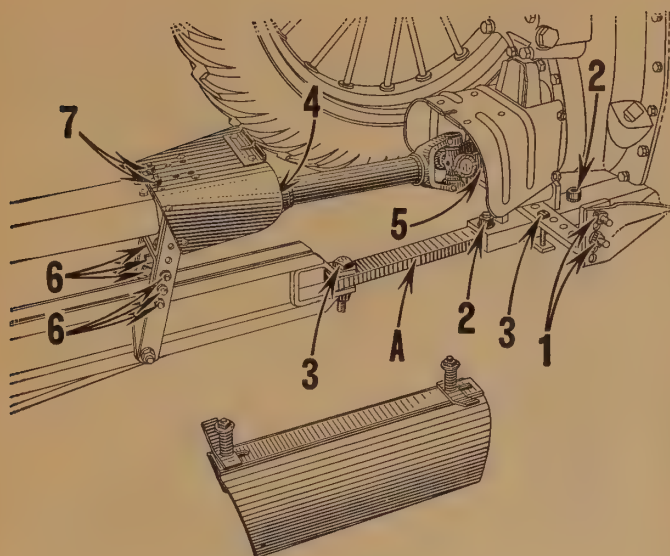


Fig. 15

1. (Fig. 15.) Secure swinging drawbar guide on tractor at proper height as shown—both sides.

2. (Fig. 15.) Model "A" Tractors below Serial No. 460,000 and Model "B" Tractors below Serial No. 42,200 only: Remove hitch loop from tractor and replace with pull bar "A" as shown.

NOTE: All Model "A" Tractors above Serial No. 460,000 and Model "B" Tractors above Serial No. 42,200 do not need pull bar "A". Binder connects direct to drawbar furnished with tractor. Set drawbar so "point of hitch" will be approximately 14" from the rear end of take-off shaft.

3. (Fig. 15.) Clamp swinging drawbar in a central position and connect binder to tractor drawbar as shown.

4. (Fig. 15.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

5. (Fig. 15.) Slide front splined universal joint onto take-off shaft and secure in place with clamp bolt and cotter.

6. (Fig. 15.) Adjust height of power shaft front bearing to level power line as shown.

7. (Fig. 15.) Bolt power shaft shield to rear set of holes in power shaft front bearing housing.

8. (Fig. 16.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

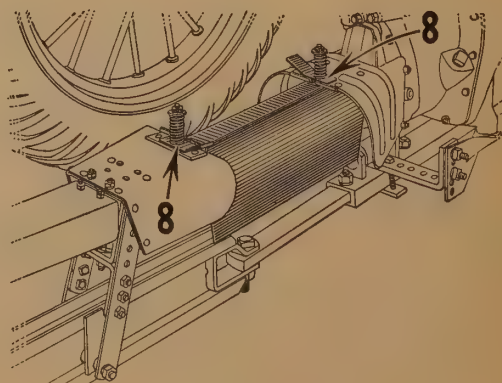


Fig. 16

HOOK-UP TO JOHN DEERE MODELS "G" AND "GM"

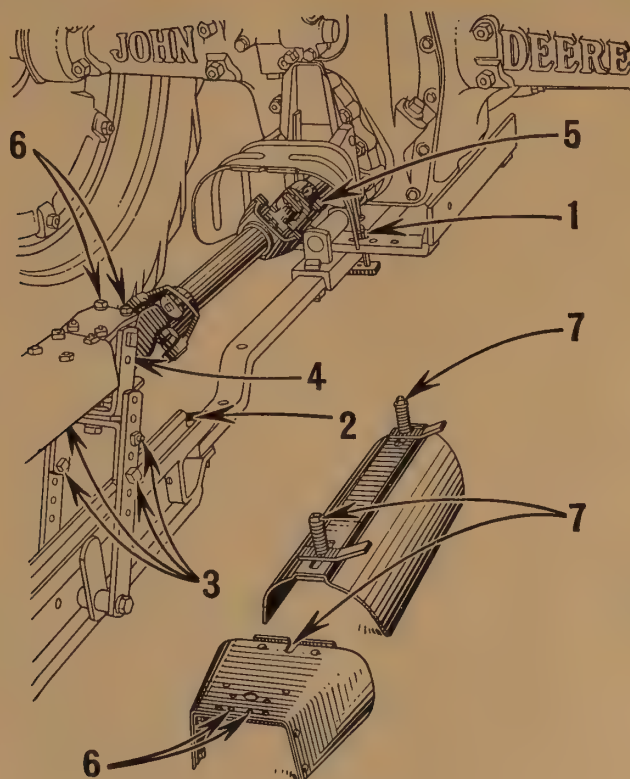


Fig. 17

1. (Fig. 17.) Clamp swinging drawbar in a central position on drawbar guide.
2. (Fig. 17.) Connect Binder to tractor drawbar.
3. (Fig. 17.) Adjust the height of power shaft front bearing so that front end of power shaft is about level with take-off shaft on tractor.
4. (Fig. 17.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe, Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.
5. (Fig. 17.) Slide front splined universal joint onto tractor take-off shaft and secure in place with clamp bolt.
6. (Fig. 17.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.
7. (Fig. 17.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

HOOK-UP FOR JOHN DEERE STYLED MODEL "D", (Serial Nos. 143,800 to 154,469 Incl.)

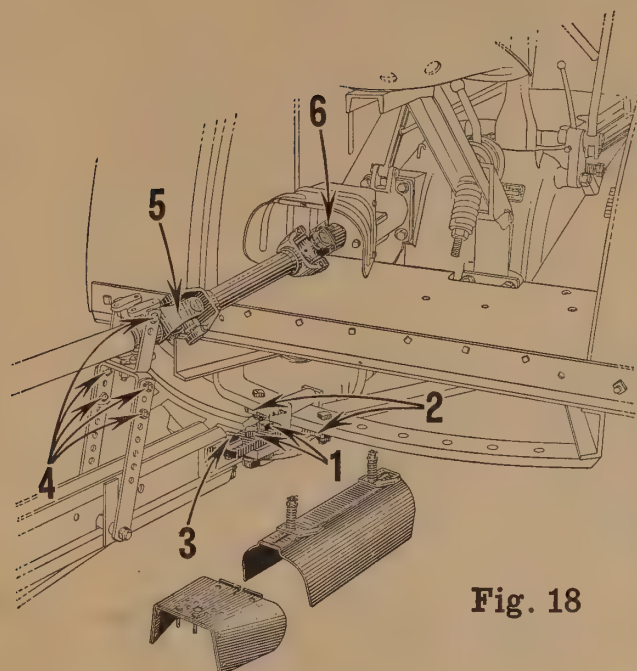


Fig. 18

1. (Fig. 18.) Bolt extension drawbar to top of tractor swinging drawbar as shown.

2. (Fig. 18.) Set swinging drawbar in position shown and secure in place by bolting stop blocks to underside of swinging drawbar guide.

3. (Fig. 18.) Connect Binder to extension drawbar.

4. (Fig. 18.) Adjust height of power shaft front bearing to level power line as shown.

5. (Fig. 18.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched

retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

6. (Fig. 18.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

7. (Fig. 19.) Bolt power shaft shield to rear set of holes in power shaft front bearing housing.

8. (Fig. 19.) Attach universal joint and pipe connection shield to take-off shaft shield and to shield on power shaft front bearing as shown.

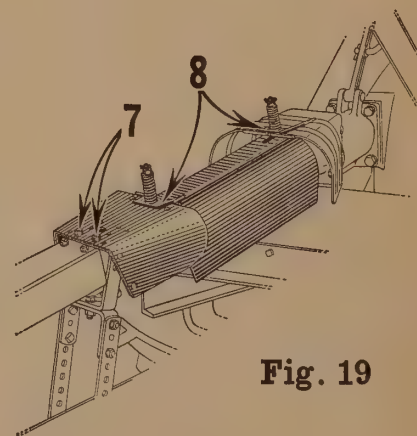


Fig. 19

HOOK-UP FOR JOHN DEERE MODELS "AR-117" (Serial Nos. 250,000 to 259,999 Incl.), **AND "AO-121"** (Serial Nos. 250,075 to 253,520 Incl.), **"AR-159"** **AND "AO-165"** (Serial Nos. 260,000 to 262,899 Incl.), **"BR-120"** (Serial Nos. 325,000 to 328,999 Incl.), **AND "BO-122"** (Serial Nos. 325,084 to 328,999 Incl.)

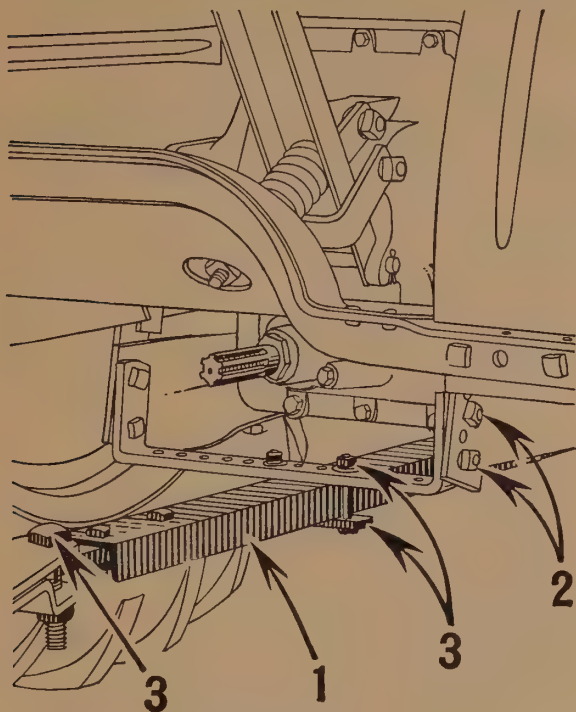


Fig. 20

1. (Fig. 20.) Remove swinging drawbar from tractor and replace with longer one furnished.

2. (Fig. 20.) Secure swinging drawbar guide on tractor in set of holes shown—both sides.

3. (Fig. 20.) Clamp swinging drawbar in a central position and connect Binder to drawbar as shown.

4. Connect power line and adjust height of power line as explained in instructions 4, 5 and 6, page 16.

5. Old style shields are supplied for "AR" Model "117" and "AO" Model "121" tractors. Bolt shield to power shaft front support as shown at "11", Fig. 23.

New style shields are supplied for Models "AR" "159" and "AO" "165". Attach shields as shown at "7" and "8", Fig. 19.

HOOK-UP FOR JOHN DEERE MODEL "AO-128"

1. (Fig. 21.) Remove swinging drawbar from tractor and replace with longer one furnished. Clamp drawbar in central position on drawbar guide as shown.

2. (Fig. 21.) Connect Binder to drawbar as shown.

3. Connect power line and adjust height of power line as explained in instructions 4, 5 and 6, page 16.

4. Old style shields only are supplied for this tractor. Bolt shield to power shaft front support as shown at "11", Fig. 23.

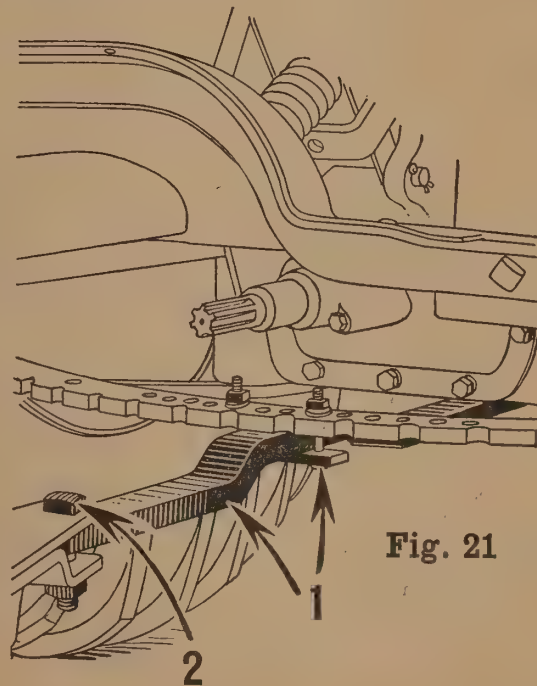


Fig. 21

HOOK-UP FOR FARMALL MODELS "F-20" AND "F-30"

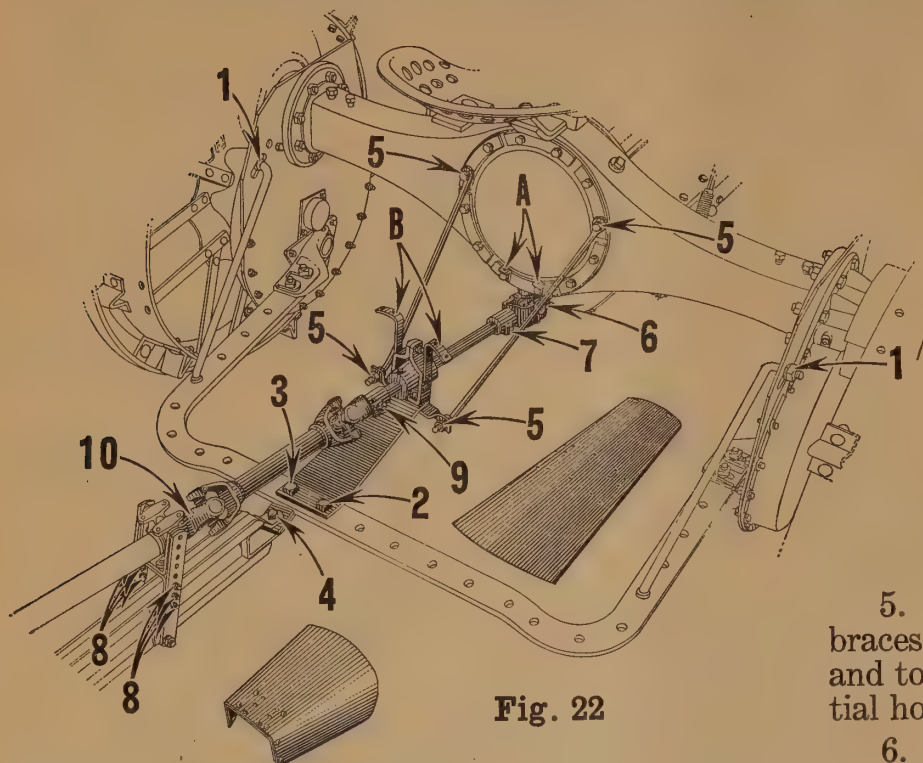


Fig. 22

1. (Fig. 22.) Set drawbar braces in slotted holes in tractor main wheel drive housing as shown.

2. (Fig. 22.) Bolt take-off shaft extension bearing support bracket to the tractor drawbar with one bolt as shown.

3. (Fig. 22.) Bolt pull plate to underside of drawbar at same time securing L. H. side of bearing bracket to drawbar.

4. (Fig. 22.) Connect Binder to pull plate.

5. (Fig. 22.) Attach round braces to bracket on bearing support and to cap screws in tractor differential housing.

6. (Fig. 22.) Slide splined universal joint onto take-off shaft and secure in place with clamp bolt.

7. (Fig. 22.) Slide front end of extension shaft into rear half of universal joint just attached to take-off shaft. Secure with clamp bolt.

8. (Fig. 22.) Adjust height of power shaft front bearing to level power line as shown.

9. (Fig. 22.) Slide front universal joint on pipe connection onto rear end of extension shaft and secure in place with clamp bolt and cotter.

10. (Fig. 22.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

11. (Fig. 23.) Bolt power shaft shield to rear set of holes in power shaft front bearing housing.

12. (Fig. 23.) Secure extension shaft shield front support clips "A", Fig. 22, to differential housing with cap screws as shown. Set shield into place and bolt to brackets at "A" and "B", Fig. 22.

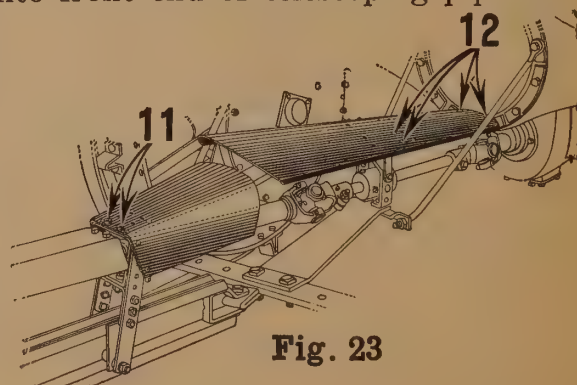


Fig. 23

HOOK-UP FOR FARMALL MODEL "H", (Up to Serial FBH 118,000)

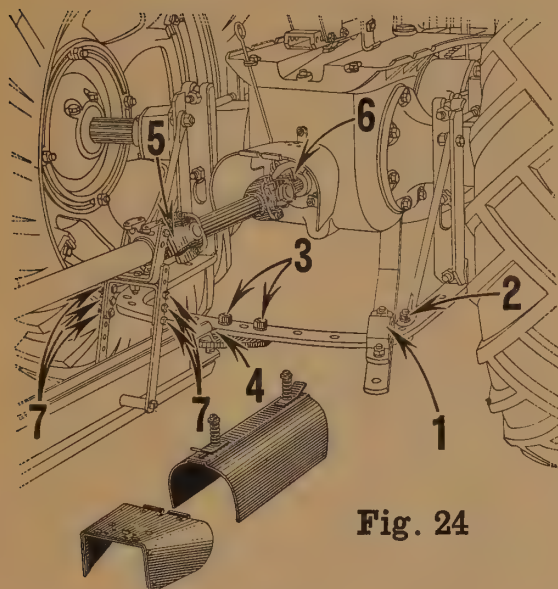


Fig. 24

†1. (Fig. 24.) Move swinging drawbar to the R. H. side of drawbar guide. Secure in this position with a bolt.

2. (Fig. 24.) Bolt tractor drawbar braces to drawbar as shown. This is necessary to locate "point of hitch" at the correct height.

3. (Fig. 24.) Bolt extension drawbar plate to **underside** of tractor drawbar.

4. (Fig. 24.) Connect Binder to extension drawbar plate.

5. (Fig. 24.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

6. (Fig. 24.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

7. (Fig. 24.) Adjust the height of power shaft front bearing as shown.

8. (Fig. 25.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

9. (Fig. 25.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

†Disregard if tractor is not equipped with swinging drawbar.

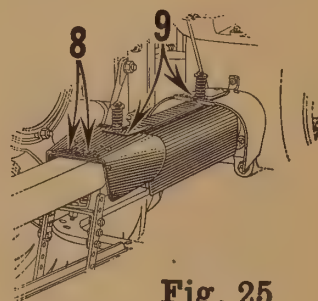


Fig. 25

HOOK-UP FOR FARMALL MODEL "M", (Up to Serial FBK 59,957)

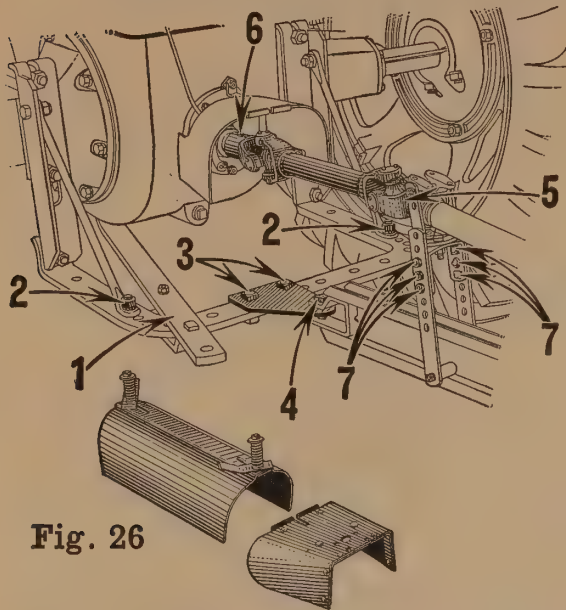


Fig. 26

†1. (Fig. 26.) Move swinging drawbar to the L. H. side of drawbar guide. Secure in this position with a bolt.

2. (Fig. 26.) Bolt tractor drawbar braces to drawbar as shown. This is necessary to locate "point of hitch" at the correct height.

3. (Fig. 26.) Bolt extension drawbar plate to top side of tractor drawbar.

4. (Fig. 26.) Connect Binder to extension drawbar plate.

5. (Fig. 26.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe, and replace notched retaining

washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

6. (Fig. 26.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt.

7. (Fig. 26.) Adjust the height of power shaft front bearing as shown.

8. (Fig. 25.) Bolt power shaft shield to rear set of holes in power shaft front bearing housing.

9. (Fig. 25.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

†Disregard if tractor is not equipped with swinging drawbar.

HOOK-UP FOR McCORMICK-DEERING MODELS 10-20, 15-30, W-30 AND 22-36

1. (Fig. 27.) Bolt drawbar plate to top of tractor drawbar and connect Binder to drawbar as shown.

2. Screw splined take-off shaft adapter "A", Fig. 27, onto threaded take-off shaft on tractor.

3. Connect power line, and adjust height of power shaft front bearing as explained in instructions 5, 6 and 7 under "Hook-Up for Farmall Model "M" (this page).

4. Bolt shield "B", Fig. 27, to tractor platform and bolt old style shield to power shaft front support as shown at "11", Fig. 23.

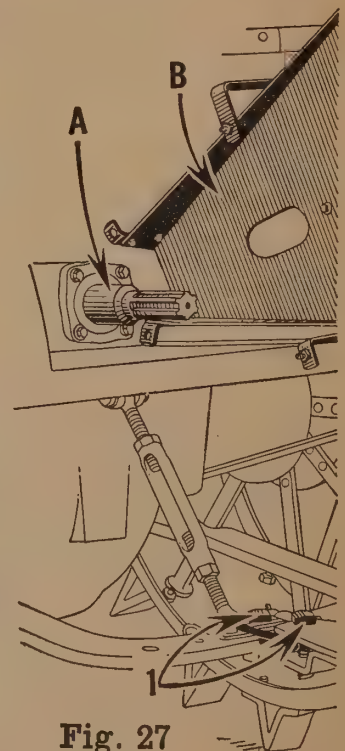


Fig. 27

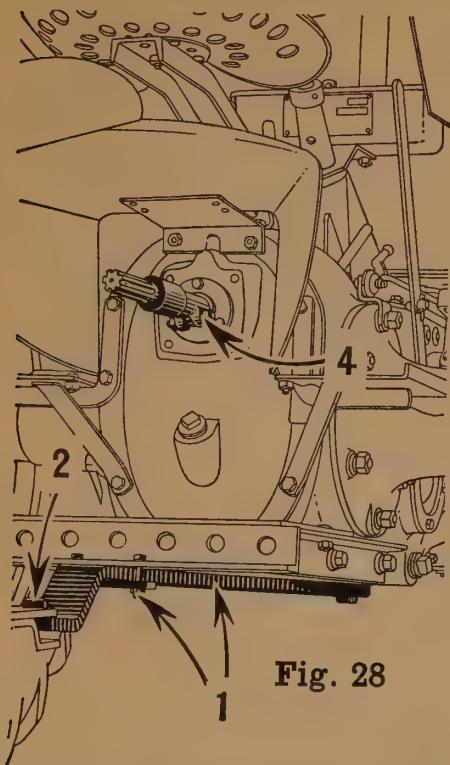


Fig. 28

HOOK-UP FOR CASE "RC"

1. (Fig. 28.) Remove swinging drawbar from tractor and replace with new one furnished. Clamp drawbar in center of drawbar guide.
2. (Fig. 28.) Connect Binder to tractor drawbar.
3. Adjust height of power shaft front bearing so that front end of power shaft lines up with take-off shaft on tractor. See instruction 6, page 16.
4. (Fig. 28.) **Case "RC" Tractors without power lift only:** Slide take-off shaft extension onto take-off shaft on tractor. Secure with clamp bolt.
5. Connect power line as explained in instructions 4 and 5, Page 16.
6. For shielding over power line. See note at bottom of page.

HOOK-UP FOR CASE "C", "CC" AND "DC"

1. (Fig. 29.) Remove swinging drawbar from tractor and replace with new one furnished. Clamp drawbar in center of drawbar guide.
2. (Fig. 29.) Connect Binder to tractor drawbar.
3. (Fig. 29.) **Case "C", "CC" and "DC" Tractors without power lift only.** Slide take-off shaft extension onto take-off shaft on tractor. Secure with clamp bolt.
4. Connect power line and adjust height of power shaft front bearing as explained in instructions 4, 5 and 6, page 16.

Shielding for Case Models "RC", "C", "CC" and "DC". Old style shielding only is supplied for the foregoing tractors **without** power lift.

Old style shield bolts to power shaft front bearings as shown at "11", Fig. 23. Be sure that front half of power line is properly shielded with shield supplied with tractor or with homemade shields.

New style shielding is supplied for Case Tractors **with** power lift.

Install new style shields as shown in Fig. 16, page 16.

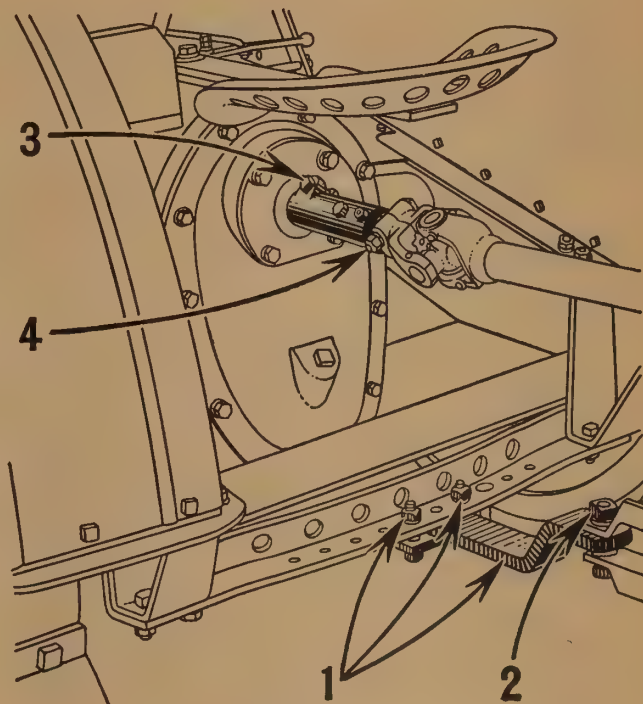


Fig. 29

HOOK-UP FOR CASE MODEL "SC"

1. (Fig. 30.) Move swinging drawbar to left of center on tractor drawbar guide. Secure in place with U-bolt as shown.
2. (Fig. 30.) Connect Binder to tractor drawbar.
3. (Fig. 30.) Adjust height of power shaft front bearing to level power line as shown.
4. (Fig. 30.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.
5. (Fig. 30.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.
6. (Fig. 30.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.
7. (Fig. 30.) Attach universal joint and pipe connection shield to take-off shield on tractor and to shield on power shaft front bearing.

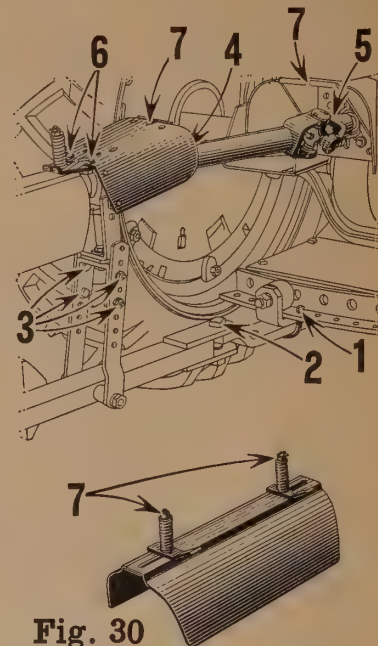


Fig. 30

HOOK-UP FOR CASE MODEL "VC"

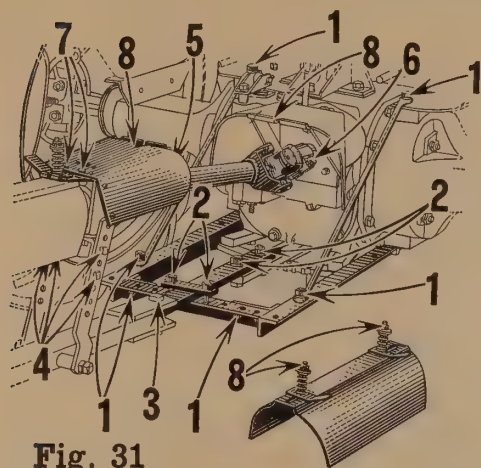


Fig. 31

1. (Fig. 31.) Bolt extension drawbar cross angle to brackets on extension drawbar side angles, L. H. and R. H., and bolt side angles to underside of tractor. Attach the two round braces to tractor platform and to extension drawbar side angles as shown.
2. (Fig. 31.) Bolt extension drawbar to swinging drawbar on tractor and clamp swinging drawbar to extension drawbar cross angle as shown.
3. (Fig. 31.) Connect Binder to extension drawbar.
4. (Fig. 31.) Adjust height of power shaft front bearing to level power line as shown.
5. (Fig. 31.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.
6. (Fig. 31.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.
7. (Fig. 31.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.
8. (Fig. 31.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

HOOK-UP FOR MASSEY-HARRIS MODELS "101-S" AND "R" SR. AND "101-S" AND "R" JR.

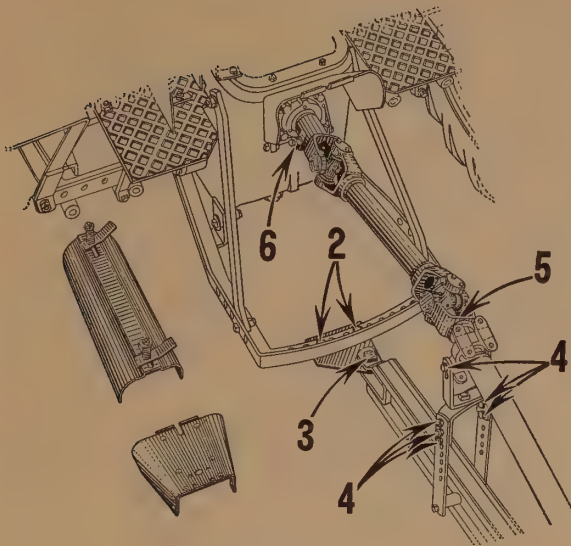


Fig. 32

1. Remove swinging drawbar from tractor.

2. (Fig. 32.) Bolt extension drawbar plate to underside of tractor swinging drawbar guide.

3. (Fig. 32.) Connect Binder to extension drawbar plate.

4. (Fig. 32.) Adjust height of power shaft front bearing to level power line as shown.

5. (Fig. 32.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

6. (Fig. 33.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

7. (Fig. 33.) Bolt power shaft shield to rear set of holes in power shaft front bearing housing.

8. (Fig. 33.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

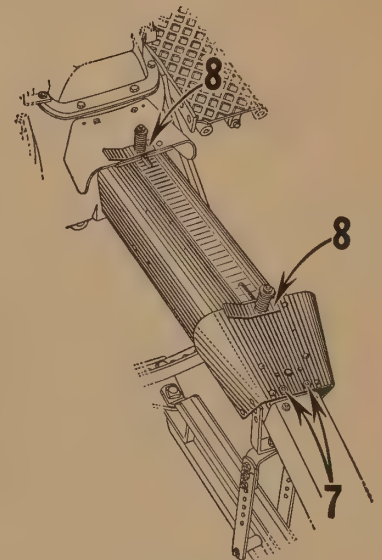


Fig. 33

HOOK-UP FOR ALLIS-CHALMERS MODEL "C"

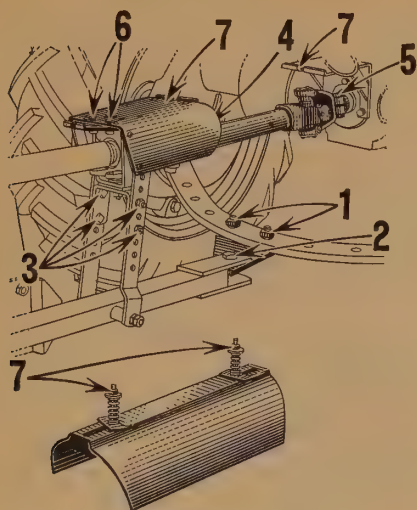


Fig. 34

1. (Fig. 34.) Bolt extension drawbar plate to **under-side** of tractor drawbar as shown.

2. (Fig. 34.) Connect Binder to extension drawbar plate.

3. (Fig. 34.) Adjust height of power shaft front bearing to level power line as shown.

4. (Fig. 34.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

5. (Fig. 34.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

6. (Fig. 34.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

7. (Fig. 34.) Attach universal joint and pipe connection shield to take-off shield on tractor and to shield on power shaft front bearing as shown.

HOOK-UP FOR MINNEAPOLIS-MOLINE MODELS "RTU" AND "RTN"

1. (Fig. 35.) Set swinging drawbar in position shown and secure in place with bolts.

2. (Fig. 35.) Connect Binder to tractor drawbar as shown.

3. (Fig. 35.) Adjust height of power shaft front bearing to level power line as shown.

4. (Fig. 35.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

5. (Fig. 35.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

6. (Fig. 35.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

7. (Fig. 35.) Attach universal joint and pipe connection shield to take-off shield on tractor and to shield on power shaft front bearing as shown.

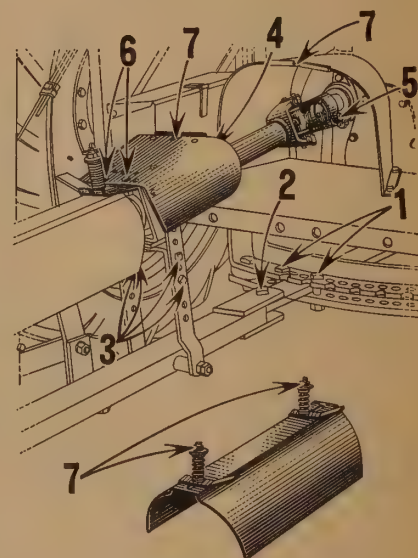


Fig. 35

HOOK-UP FOR MINNEAPOLIS-MOLINE MODEL "KTA"

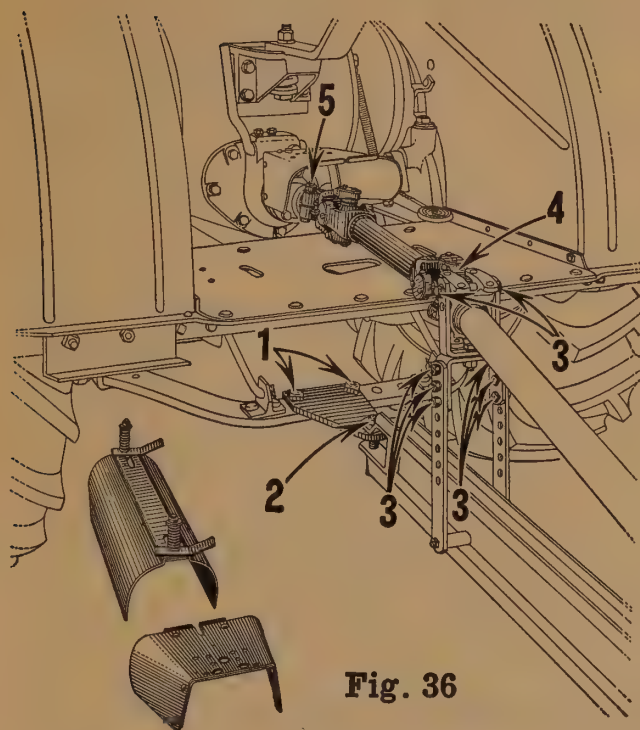


Fig. 36

1. (Fig. 36.) Bolt extension drawbar plate to **top** side of tractor drawbar as shown.

2. (Fig. 36.) Connect Binder to extension drawbar plate.

3. (Fig. 36.) Adjust height of power shaft front bearing to level power line as shown.

4. (Fig. 36.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to

bend remaining lugs on lock washer over head of cap screw.

5. (Fig. 36.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

6. (Fig. 37.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

7. (Fig. 37.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

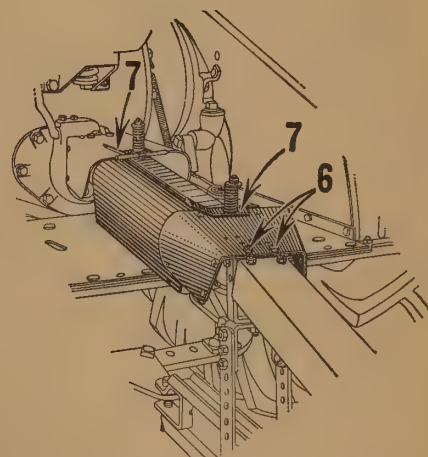


Fig. 37

HOOK-UP FOR MINNEAPOLIS-MOLINE MODELS "UTU" AND "UTN"

1. (Fig. 38.) Remove swinging drawbar from tractor and replace it with new extension drawbar furnished. Move swinging drawbar to left of center on tractor drawbar guide and secure in place with bolt as shown.

2. (Fig. 38.) Connect Binder to extension drawbar.

3. (Fig. 38.) Adjust height of power shaft front bearing to level power line as shown.

4. (Fig. 38.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

5. (Fig. 38.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

6. (Fig. 38.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

7. (Fig. 38.) Attach universal joint and pipe connection shield to take-off shield on tractor and to shield on power shaft front bearing as shown.

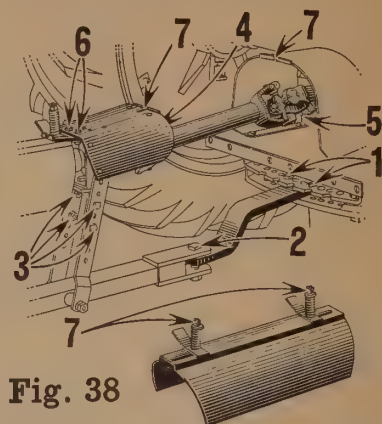


Fig. 38

HOOK-UP FOR MINNEAPOLIS-MOLINE MODELS "JTU", "JTN", "ZTU" AND "ZTN"

1. (Fig. 39.) Remove swinging drawbar and replace with new extension drawbar furnished. Bolt securely as shown.

2. (Fig. 39.) Connect Binder to extension drawbar.

3. (Fig. 39.) Adjust height of power shaft front bearing to level power line as shown.

4. (Fig. 39.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

5. (Fig. 39.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

6. (Fig. 39.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

7. (Fig. 39.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing as shown.

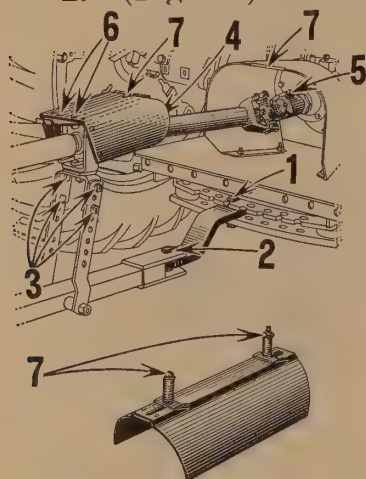


Fig. 39

HOOK-UPS FOR CATERPILLAR "TWENTY-TWO", "D-2" AND "R-2"

CATERPILLAR "TWENTY-TWO"

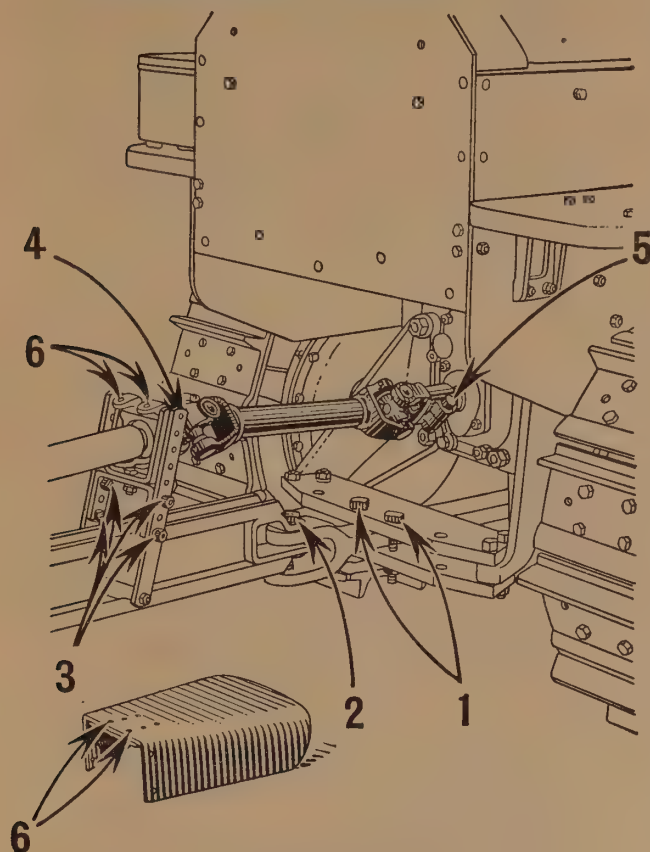


Fig. 40

bend remaining lugs on lock washer over head of cap screw.

5. (Figs. 40 and 41.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt.

6. (Figs. 40 and 41.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

1. Caterpillar "Twenty-Two". (Fig. 40.) Secure swinging drawbar in center of drawbar guide with heavy bolts.

Caterpillar "D-2" and "R-2". (Fig. 41.) Bolt extension drawbar to top of tractor swinging drawbar and clamp to center of swinging drawbar guide.

2. (Figs. 40 and 41.) Connect Binder to extension drawbar plate.

3. (Figs. 40 and 41.) Adjust height of power shaft front bearing as shown.

4. (Figs. 40 and 41.) Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to

CATERPILLAR "D-2" AND "R-2"

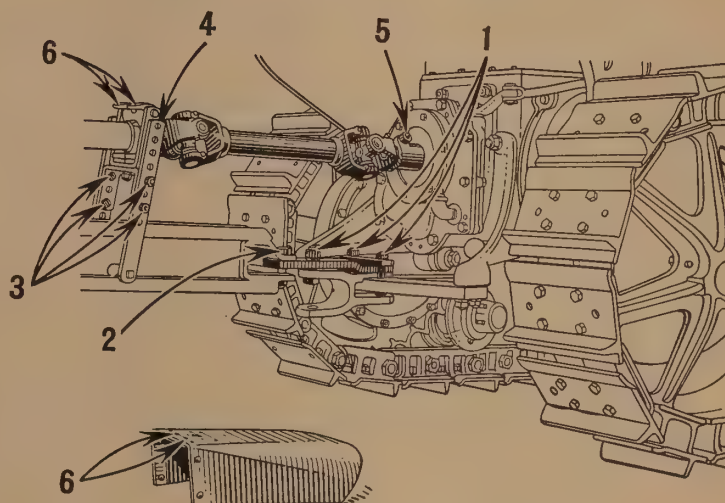


Fig. 41

HOOK-UPS FOR OLIVER "ROW-CROP" (4-CYLINDER) AND OLIVER "70" (6-CYLINDER)

OLIVER "ROW-CROP" (4-CYLINDER)

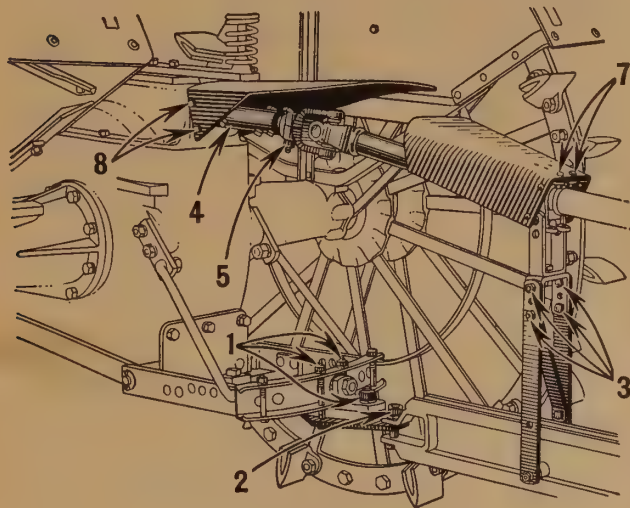


Fig. 42

4. (Figs. 42 and 43.) Slide take-off shaft extension onto tractor take-off shaft. Secure with clamp bolt.

5. (Fig. 42.) Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt.

6. Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw.

7. (Fig. 42.) Bolt power shaft shield to rear set of holes in power shaft front bearing housing.

8. (Fig. 42.) Bolt universal joint and pipe connection front shield to tractor.

1. Oliver "Row-Crop"—4-Cylinder (Fig. 42.) Bolt drawbar plate to underside of swinging drawbar. Clamp to center of swinging drawbar guide.

Oliver "70" — 6-Cylinder (Fig. 43.) Remove swinging drawbar and replace with new extension drawbar furnished. Secure in center of swinging drawbar guide with bolts.

2. (Figs. 42 and 43.) Connect Binder to tractor drawbar.

3. (Fig. 42.) Replace standard for power shaft front bearing with new higher standard furnished. **Note:** An extension is also supplied for raising shield over power line pipe. Adjust bearing standard and shield bracket extension so that power line is as straight as possible throughout.

OLIVER "70" (6-CYLINDER)

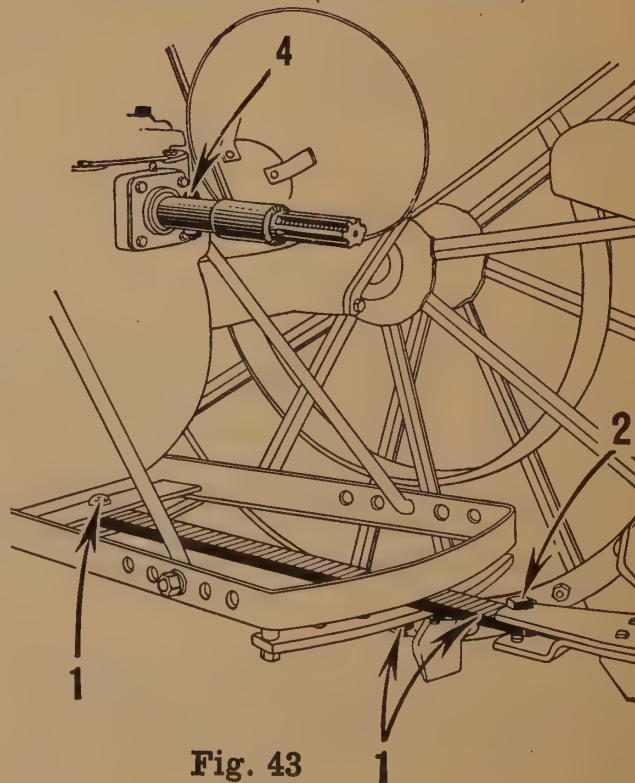


Fig. 43

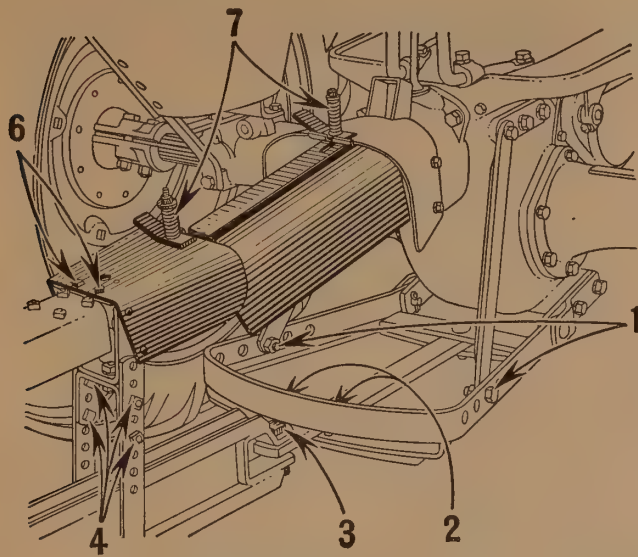


Fig. 44

HOOK-UP FOR OLIVER MODEL "60"

1. (Fig. 44.) Set lower end of drawbar braces in center set of holes as shown.

2. (Fig. 44.) Clamp swinging drawbar to center of drawbar guide.

3. (Fig. 44.) Connect Binder to tractor drawbar.

4. (Fig. 44.) Adjust height of power shaft front bearing to level power line as shown.

5. Remove tape around key in front end of telescoping pipe for power drive. Remove cap screw, lugged lock washer and notched retaining washer from front end of telescoping pipe. Slide rear universal joint onto front end of telescoping pipe and replace notched retaining washer, lugged lock washer and cap screw. Be

sure to fit bent lug on lock washer into notch in retaining washer and to bend remaining lugs on lock washer over head of cap screw. Slide front splined universal joint onto take-off shaft on tractor and secure in place with clamp bolt and cotter.

6. (Fig. 44.) Bolt power shaft shield to **rear** set of holes in power shaft front bearing housing.

7. (Fig. 44.) Attach universal joint and pipe connection shield to take-off shaft shield on tractor and to shield on power shaft front bearing.

GENERAL INSTRUCTIONS FOR HOOK-UP TO TRACTORS FOR WHICH CUT-TO-FIT PARTS ARE NOT FURNISHED

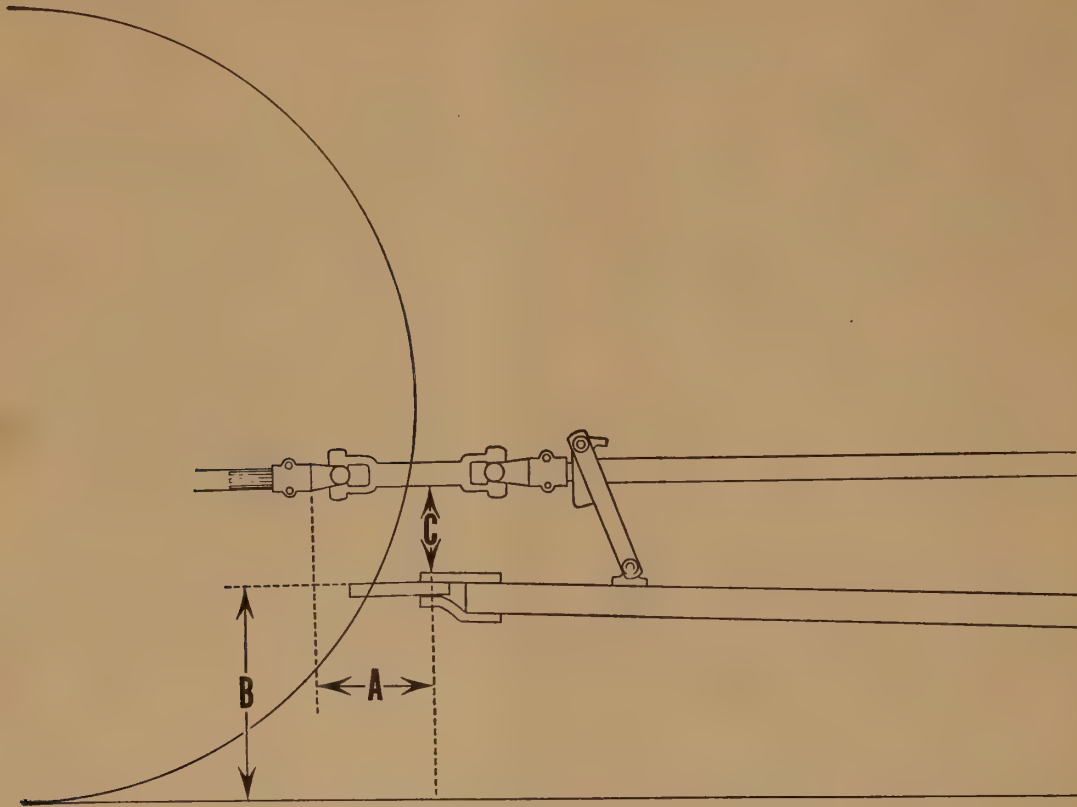


Fig. 45

EXTENSION DRAWBAR

In making an extension drawbar the location of the “point of hitch” is the first thing that must be established. These principles are involved:

1. Top of Extension drawbar should be set approximately 14" from the ground as shown at B, Fig. 45 (not including tractor lugs), where tractor take-off shaft is high enough to permit this. The tilting range of the corn binder is based on carrying the “point of hitch” somewhere near this height.

2. There should be at least 4-inch clearance vertically between the power line and hitch bolt at “point of hitch” as shown at C, Fig. 45. Otherwise Power Line will interfere with hitch when operating over uneven ground.

3. “Point of Hitch” must be far enough back so wheels will clear tractor hitch in turning. The wider the tread of the tractor or the closer the Take-Off Shaft is located to the center or to the left of center, the farther back the “point of hitch” must be placed so wheels will not strike Tractor Hitch when turning. This is also influenced by the location of the end of the Take-Off Shaft. The “point of hitch” must be approximately 14" back from rear end of Take-Off Shaft as shown at A, Fig. 45.

**GENERAL INSTRUCTIONS FOR HOOK-UP TO TRACTORS FOR WHICH
CUT-TO-FIT PARTS ARE NOT FURNISHED—Continued
EXTENSION DRAWBAR—Continued**

4. So far as possible, "point of hitch" should be in the same vertical line as the power shaft. For tractors with Take-Off Shaft at center or right of center the Extension Drawbar must locate the "Point of Hitch" so corn binder will follow row, and L. H. Tractor Wheel will not run on standing corn. To satisfy these requirements in some cases, it is advisable to locate the "point of hitch" slightly to the left of Take-Off Shaft.

5. "Point of Hitch" at hitch bolt must be approximately 14" back from rear end of take-off shaft. This equalizes the angles at which each universal joint operates. If this is not done, Universals are placed under a severe strain when turning.

On some Tractors, to properly locate extension drawbar and mount it securely, it is necessary to remove the swinging drawbar. On others, the swinging drawbar may be set in a fixed position and Extension Drawbar mounted on it.

COMPLETING THE POWER LINE

After the "point of hitch" is established and the Extension Drawbar made, it is only necessary to complete the Power Line. We furnish a Universal Joint and pipe assembly which has a working length of 18-5/8". (Distance measured from center to center of Universals.) This assembly will complete the Power Line on any Tractor having the rear end of the Take-Off Shaft **not more than 14" ahead of "point of hitch"**. If the rear end of Take-Off Shaft is located more than 14" ahead of "point of hitch", it will be necessary to build a Take-Off Shaft Extension. The extension must extend take-off shaft back within 14" of "point of hitch".

When completing the Power Line on Tractors with Take-Off Shafts located higher from ground than ordinary, it will be necessary to move support for front bearing on Power Shaft to a higher position. This is necessary to prevent universal at front end of Power Shaft from working at an extreme angle and to prevent universal joint and pipe assembly from striking shield.

UNIVERSAL JOINTS

Universal Joint must slip over end of Take-Off Shaft. Splines must **slip into grooves** at the end of shaft to be properly assembled. Secure Universal Joint to Take-Off Shaft with clamp bolt and cotter.

Severe Angles of Power Line when in operating position, must be avoided. If the Universal Joint starts to clatter when turning a sharp corner, disengage power line at once and do not place back into operation until turn has been completed.

After Hook-Up is completed, and before starting Take-Off, make a complete right-hand and left-hand turn with tractor, to make sure that drive shaft does not bind, or strike any place. Sharp turns should be avoided, as turning too sharply binds universals, placing an undue strain on them, as well as the entire machine. When necessary to turn sharply, throttle down tractor and shut off Power Take-Off.

SHIELDS OVER POWER LINE

The Hook-up is by no means completed until Power Line is properly shielded. **Operators should be sure shields are properly attached, and should keep hands and clothing away from chains, universals, and other moving parts at all times.**

Bundle Elevator

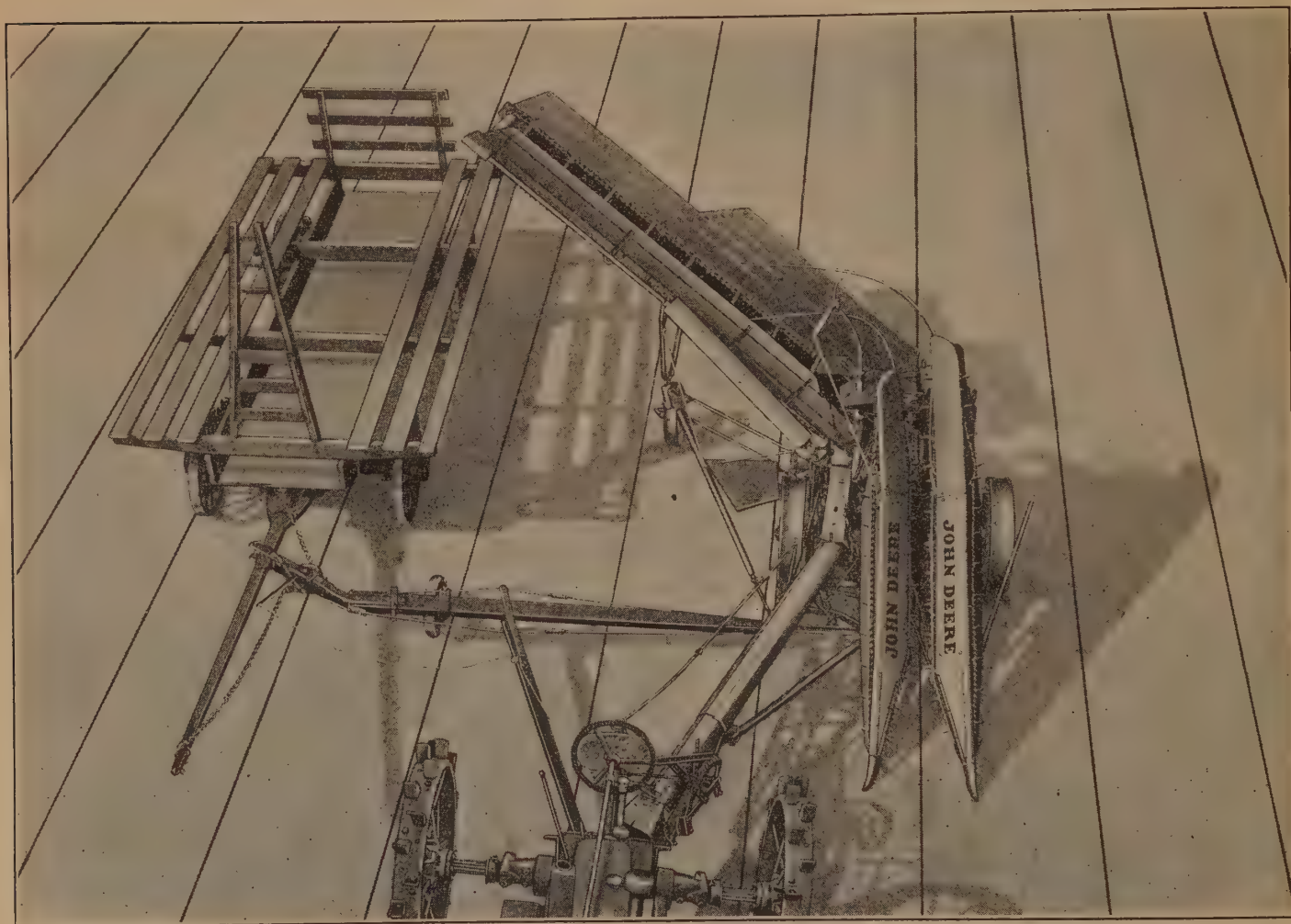


Fig. 46

If **R. H. Main Wheel Extension** is used, attach before proceeding with these directions—see Figs. 51 and 52.

1. (Fig. 37.) Bolt bundle elevator drive gear housing support plate at **L. H. set of holes as shown**. This swings the driving universal up in proper line for driving the bundle elevator.

2. (Fig. 37.) Bolt Parallel Bar with braces to **rear** of Main Frame Sill. Braces bolt at **R. H. bolt for Gear Housing Support Plate**.

BUNDLE ELEVATOR—Continued

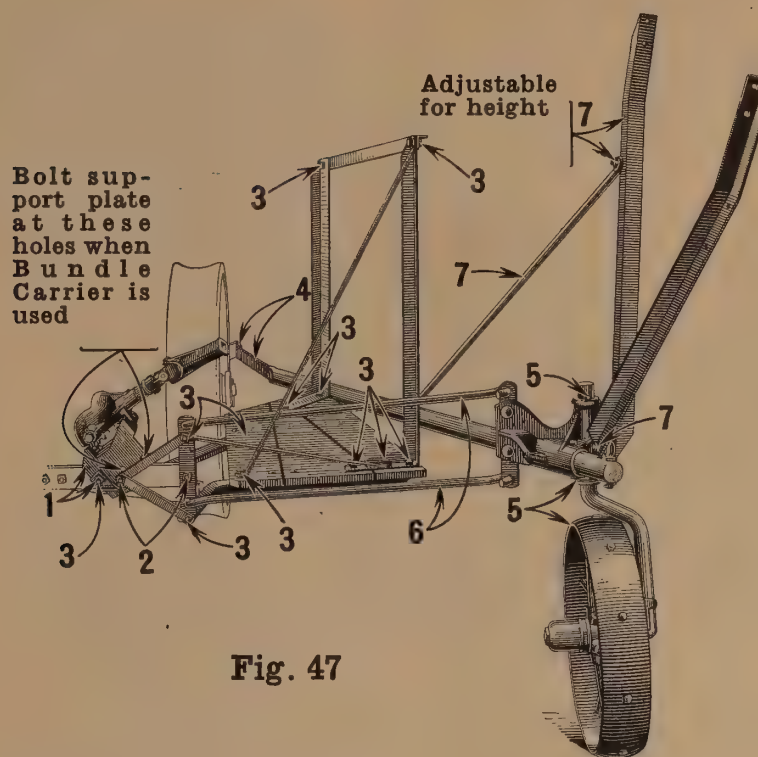


Fig. 47

3. (Fig. 47.) Bolt operator's platform and hand rail to Main Frame Rear Sill and to parallel bar, as shown.

Note: Platform cannot be attached when binder is equipped with R. H. Main Wheel Extension.

4. (Fig. 47.) Bolt Elevator Pull Pipe Bar to Tractor Hitch Connection with longer bolt furnished.

5. (Fig. 47.) Secure Caster Wheel Axle in Bracket on Pull Pipe with cotter—washers go **below** and **above** bracket—grease axle and wheel.

6. (Fig. 47.) Hook Parallel Rod (hooks to **rear**) into Parallel Bar on Pull Pipe Bracket and secure opposite ends of rods in Parallel Bar on binder with cotters.

7. (Fig. 47.) Bolt Elevator Bottom Supporting Angles to eyebolt at rear end of pull pipe. Hook round brace into pull pipe and bolt it to front supporting angle.

8. (Fig. 48.) Bolt swivel "U" Support to rear of Main Frame Sill—brace bolts to **underside** of R. H. Gatherer Angle.

9. (Fig. 48.) Bolt Elevator Sideboards to Elevator Bottom—**high** sideboard to the **rear**. Attach conveyor chain idlers (4) to sills at Sideboard Middle Supporting Angles, front and rear—brackets go to outside of sills and sprockets go to **underside** of conveyor chain.

BUNDLE ELEVATOR—Continued

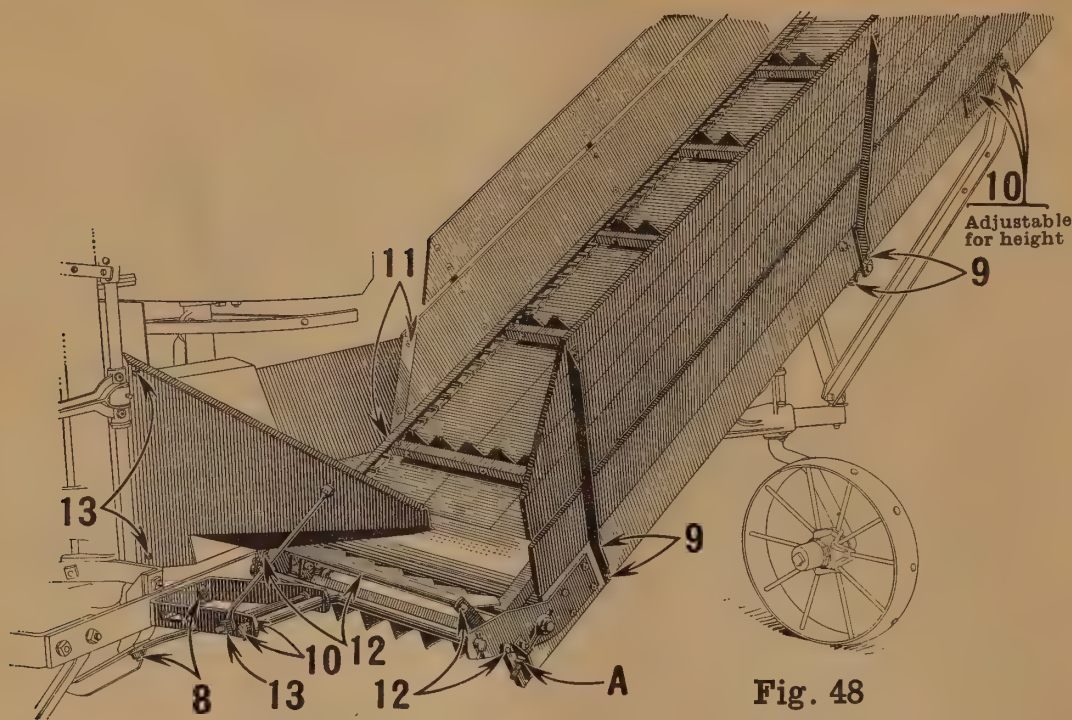


Fig. 48

10. (Fig. 48.) Attach Elevator: Remove bolts in Elevator bottom sills for supporting angles, also cotters in **"T"** swivel. Lift elevator into position by inserting **"T"** swivel into **"U"** support at rear of Main Frame and secure with cotters, **at same time** slipping Elevator Drive Shaft into drive sleeve and bolting supporting angles to elevator bottom sills with double nuts. Four sets of holes are provided in elevator bottom sills and supporting angles to set elevator at the height desired.

11. (Fig. 48.) Insert lower edge of sideboard extension shield **between** elevator front sill and steel support plate, and bolt shield to sideboard—Front end of shield goes **outside** of Rear Throat Side.

12. (Fig. 48.) Bolt front support with clip for hinged shield to **inside** of elevator support plate (shield rest goes to the rear); then hook shield rod in front support and hook rear support over rear end of rod, and bolt to **inside** of elevator rear support plate.

13. (Fig. 48.) Bolt elevator end shield to **outside** (L. H.) of binder deck—brace bolts to **rear** of **"T"** swivel, **"U"** support.

14. (Fig. 46.) Bolt Safety Shield for lower end of Elevator Drive Shaft to Middle Box Bracket and to Gear Bracket at lower end with **"U"** bolt.

15. Tighten all bolts.

16. Set L. H. bundle guide rod as instructed in instruction 16 on page 9.

17. (Fig. 48.) Adjust elevator conveyor chain at **"A"**. Adjust both sides evenly—see Instruction 5, page 47.

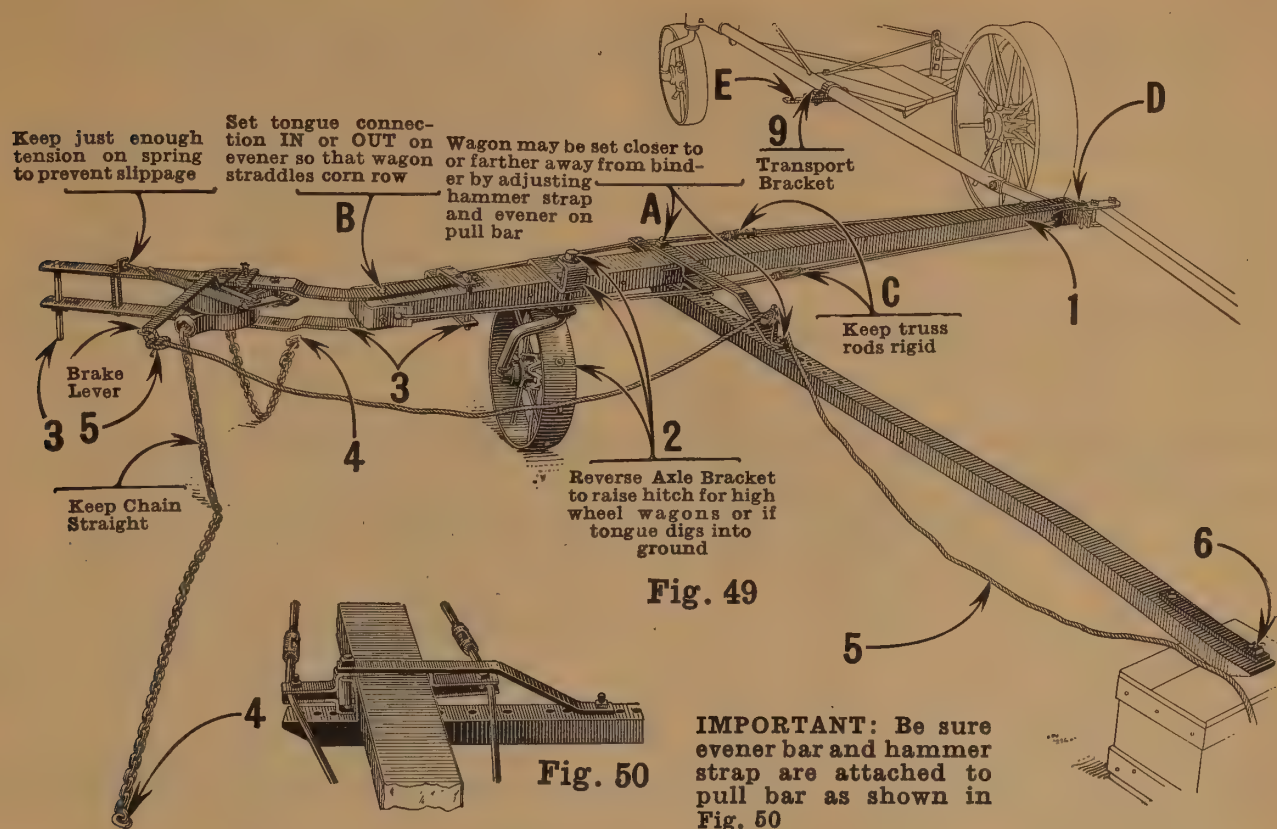


Fig. 49

Fig. 50

1. (Fig. 49.) Clamp support bracket for L. H. End of Wagon Hitch to rear end of Tractor Hitch square pipe on Binder.

2. (Fig. 49.) Secure caster wheel axle in Bracket and spread cotter—washers go **below** and **above** bracket—grease axle and wheel. Reverse axle bracket to **raise hitch** for high wheel wagons, or if tongue digs into the ground.

3. (Fig. 49.) Remove lock and guide pins and fold Hitch Irons on Outer end of Wagon Hitch forward, run Wagon into position and swing Hitch irons back over forward part of Tongue—replace pins.

4. (Fig. 49.) Attach rear end of Chain at Doubletree pin—release Brake control lever and push wagon back until hitch is at front end of tongue and all slack is out of chain. Secure front end of chain to tongue at neckyoke stop. **Chain must not be twisted and in this position it must be tight.**

Rear end of Wagon is loaded **first**, so after attaching chain it is necessary to release brake control and pull wagon forward or back up tractor to locate Wagon Hitch at rear end of Wagon Tongue. Wagon is then dropped back when building load forward, by releasing brake control—see Fig. 46.

5. (Fig. 49.) Tie one end of release rope to Brake lever and insert opposite end of rope through pulley on Hitch Pull Bar, and tie it to upper end of Wagon Elevator Front Sideboard or to tractor seat.

6. (Fig. 49.) Bolt pull bar to **center hole** of circular drawbar on Tractor to **clear lugs** on Main Wheels when turning.

7. (Fig. 49.) Adjust hammer strap and evener on pull bar at "**A**" and tongue connection on evener at "**B**", as instructed.

8. (Fig. 49.) Adjust turnbuckles at "**C**" so that truss rods are rigid.

9. (Fig. 49.) Bolt wagon hitch transport bracket to wagon elevator pull pipe.

To Transport: (Fig. 49.) Unbolt Wagon Hitch at "**D**" and bolt at "**E**". Set transport bracket to accommodate hitch.

RIGHT-HAND MAIN WHEEL EXTENSION AND BUNDLE ELEVATOR PULL PIPE CONNECTION FOR CORN PLANTED IN 36" ROWS WHEELS IN REGULAR OR LOW CUTTING POSITION

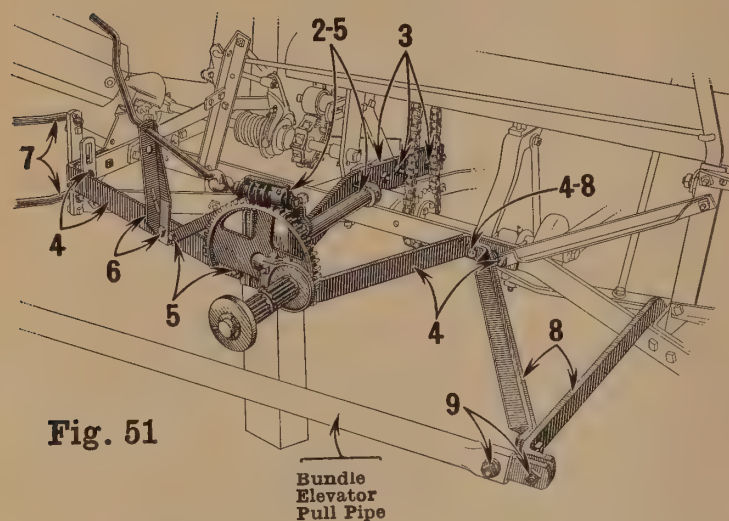


Fig. 51

R. H. Main Wheel and roller chain tightener removed to show connecting points more clearly

1. Block L. H. Main Wheel and jack up R. H. side of machine.

2. (Fig. 51.) Remove R. H. Main Wheel with axle assembly.

3. (Fig. 51.) Bolt frame extension cross sill to front of main frame center cross sill.

4. (Fig. 51.) Bolt frame extension side sill to main frame and to extension cross sill with longer bolts furnished.

5. (Fig. 51.) Insert L. H. end of axle into axle bracket and bolt axle bracket to frame extension side sill—brace goes to **rear** of axle bracket.

6. (Fig. 51.) Slip raising crank support post with link over crank and bolt post to outside of frame extension side sill.

7. (Fig. 51.) Replace bundle elevator paralleling rods with shorter rods furnished.

8. (Fig. 51.) Bolt bundle elevator pull pipe hitch bar to **rear** of main frame **front** cross sill—angle brace bolts to rear of hitch bar and to main frame.

9. (Fig. 51.) Remove connecting bar from front end of bundle elevator pull pipe and replace with special (shorter) bar furnished—bolt connecting bar to hitch bar—trunnion goes in hitch bar.

10. Tighten all bolts.

RIGHT HAND MAIN WHEEL EXTENSION AND BUNDLE ELEVATOR PULL PIPE CONNECTION FOR CORN PLANTED IN 36" ROWS—Continued

WHEELS IN HIGH CUTTING POSITION

To set R. H. main wheel extension in high cutting position follow the preceding instructions for regular position except for instructions 5 and 6. Replace instructions 5 and 6 with the following instructions.

1. (Fig. 52.) Bolt inner axle bracket for R. H. main wheel extension to frame extension cross sill as shown.

2. (Fig. 52.) Insert L. H. end of axle into axle bracket and bolt outer axle bracket to frame extension side sill—flat brace goes to rear of outer axle bracket as shown.

3. (Fig. 52.) Slip raising crank support post with link onto crank at lower hole in post and bolt post to outside of frame extension side sill.

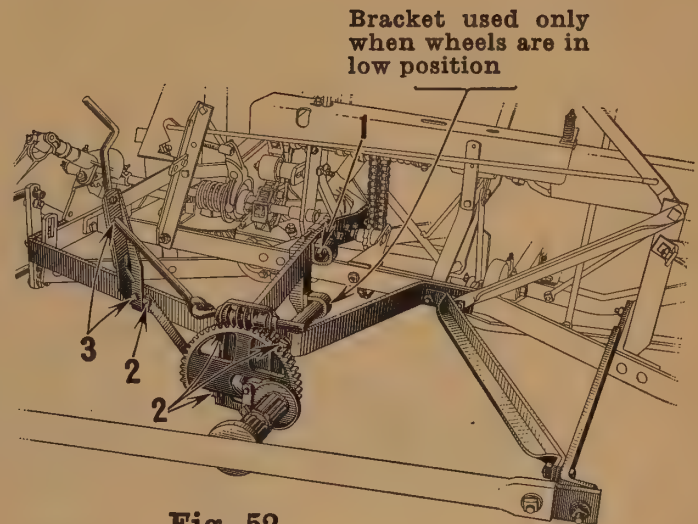


Fig. 52

BUNDLE TOP DISCHARGE ARM

1. (Fig. 53.) Remove upper discharge arm from discharge arm hub.
2. (Fig. 53.) Bolt discharge arm crank to top of discharge arm hub.
3. (Fig. 53.) Remove upper cotter in discharge arm crank.

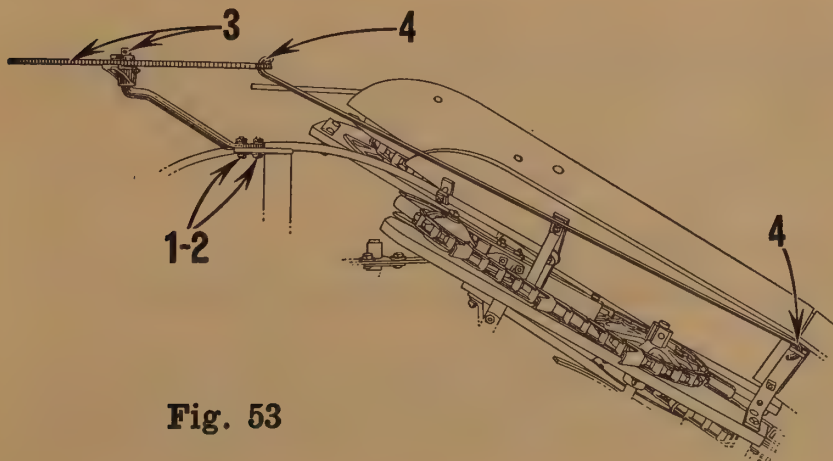


Fig. 53

Fit bundle top discharge arm onto crank and replace cotter as shown.

4. (Fig. 53.) Hook link rod to bracket on gatherer top board (**Hook down**) and to discharge arm (**Hook up**) as shown.

SOYBEAN ATTACHMENT

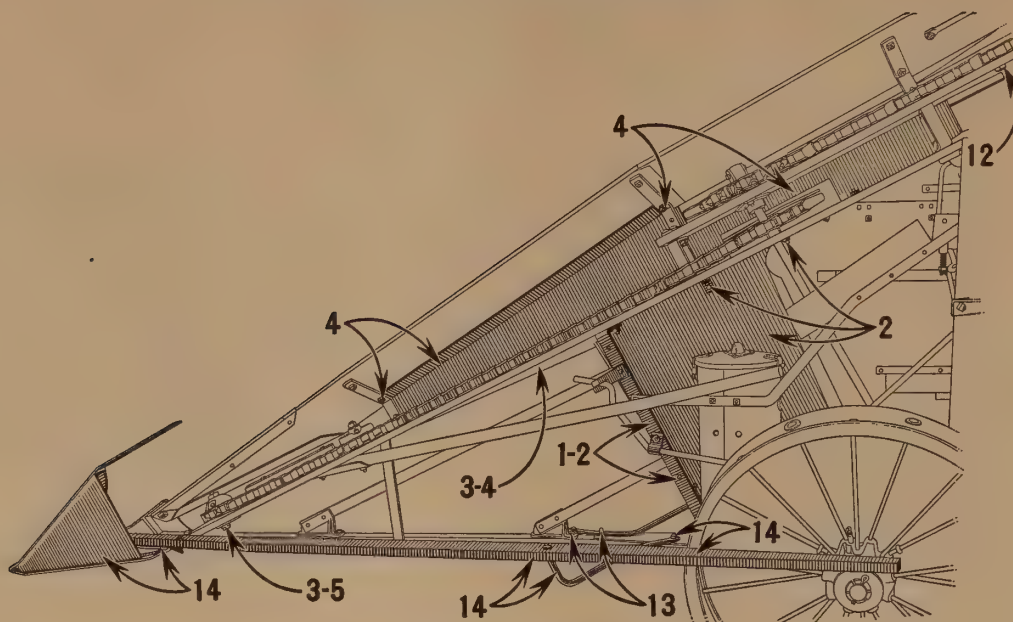


Fig. 54

1. (Fig. 54.) Remove and discard Middle Support for L. H. Gatherer Board and replace with special support.

2. (Fig. 54.) Insert Binder deck extension, **front**, between gatherers and attach to **inside** of Binder Deck and Middle Support mentioned under Instruction No. 1—Metal clip goes **between** Gatherer Board and Deck—Bracket bolts to Gatherer Board. Bolt front end of deck extension to Middle Support.

3. (Fig. 54.) Remove tension from L. H. Gatherer Chain, then remove Chain Guide Board.

*4. (Fig. 54.) Attach upper and lower Shields between L. H. Gatherer Chain Board and Top Board, **at same time** replacing Chain Guide Board—Lower shield overlaps upper shield. Tighten Bolts.

5. (Fig. 54.) Adjust tension of L. H. Gatherer Chain.

6. Remove and discard R. H. Gatherer Drive Knuckle Shield.

7. (Fig. 55.) Remove tension from R. H. Gatherer Chains, then remove Chain Guide Boards.

*8. (Fig. 55.) Attach Shield between Butt Chain Board, Upper and Middle Gatherer, **at same time** attaching shield between Middle Gatherer and R. H. Gatherer Chain Boards. Replace Middle Gatherer Chain Guide Board.

SOYBEAN ATTACHMENT—Continued

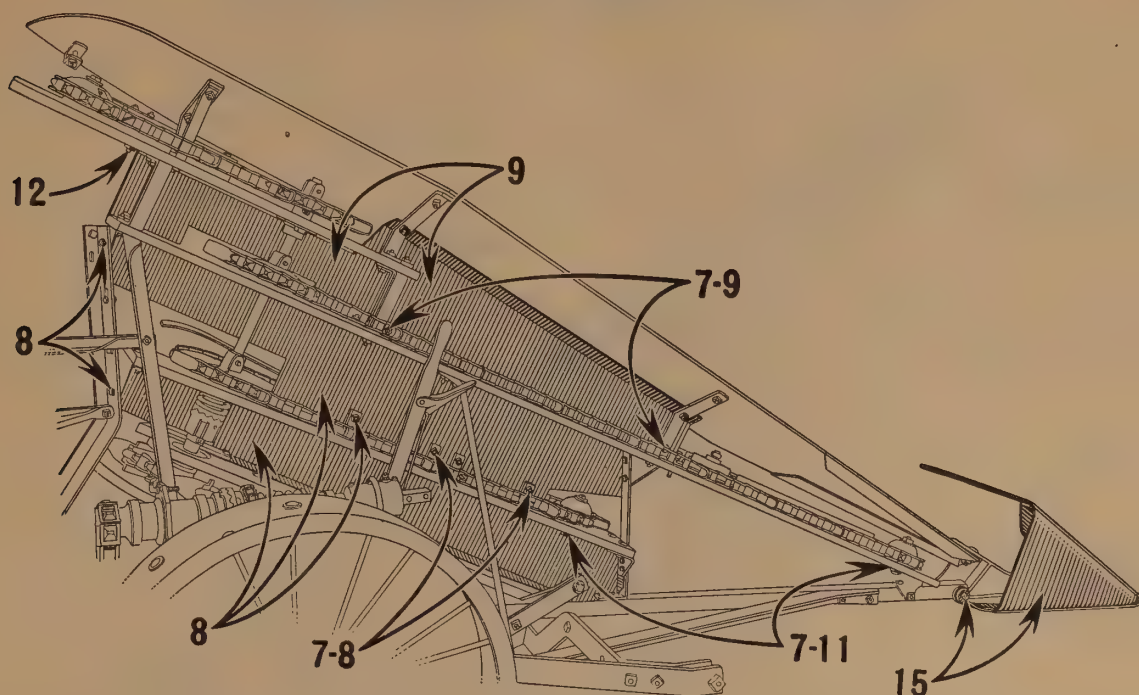


Fig. 55

*9. (Fig. 55.) Attach Shield between R. H. Gatherer Chain Board and Gatherer Top Board **at same time** replacing Chain Guide Board.

10. Tighten all bolts.

11. (Fig. 55.) Adjust tension of R. H. Gatherer Chains.

12. (Figs. 54 and 55.) Move R. H. and L. H. Gatherer Top Chains **in towards** throat of machine as far as possible, to obtain better delivery of Tops to binder attachment.

13. (Fig. 54.) Bolt Rod Throat Spring for Butt Chain at rear bolt for Rear Throat Spring Bracket on L. H. Gatherer Angle. Replace **front** bolt in side knife with hook bolt to hold rod throat spring in position.

14. (Fig. 54.) Bolt L. H. Gatherer Extension Point and Fender Stick to Gatherer Point—H91H—Brace for Fender Stick bolts at Rear hole in Side Knife.

15. (Fig. 55.) Bolt R. H. Gatherer Extension Point to R. H. Gatherer Point—H92H.

*Bolt holes in shields are slotted so that shields may be inserted **between** connecting parts by loosening bolts.

TALL CORN ATTACHMENT RIGHT-HAND EXTENSION GATHERER

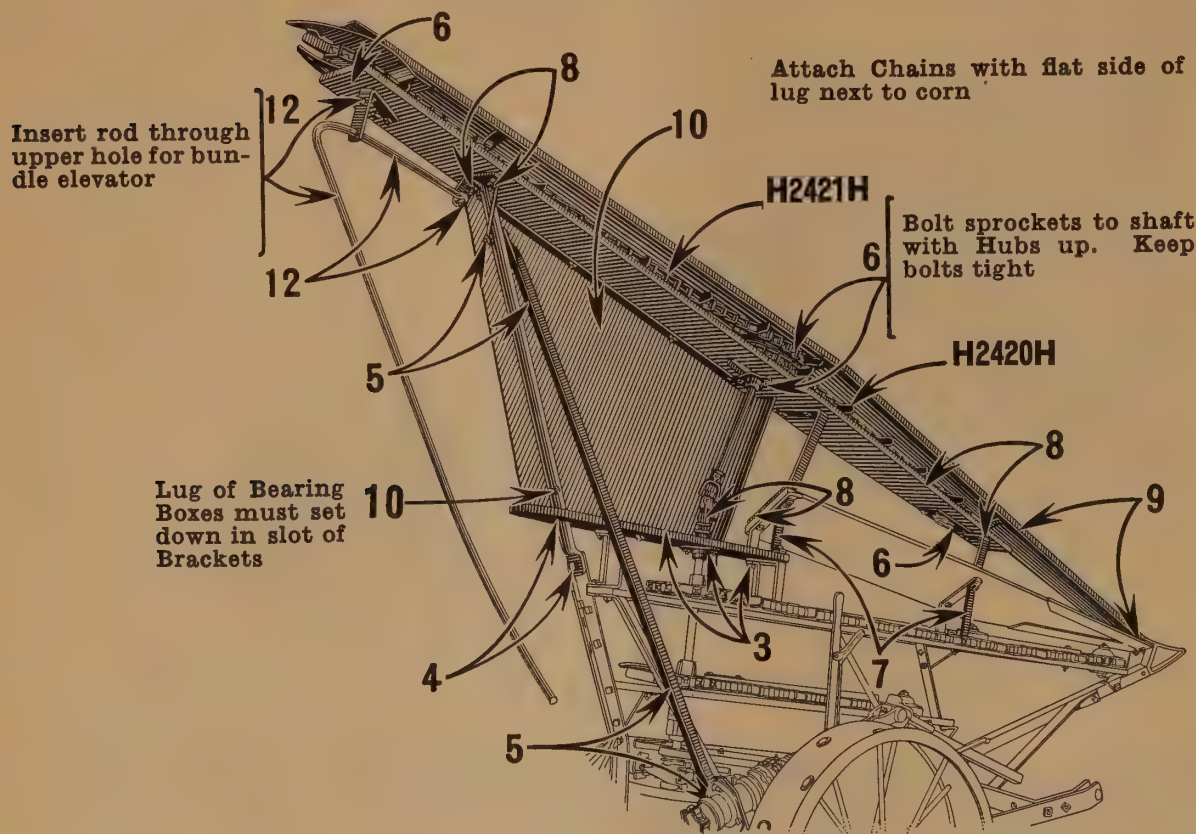


Fig. 56

1. Remove R. H. Bundle Guide Rod from Binder.
2. Remove and save for future use if binder is to be used less the Tall Corn Attachment: Bundle Top Discharge Arm, complete; R. H. Gatherer Top Board, Upper, with Supporting Brackets; also R. H. Gatherer Top Chain, Drive Sprocket and Gatherer Top Chain Board, complete. These Parts **are not used** with the Tall Corn Attachment.
3. (Fig. 56.) Replace R. H. Gatherer Top Chain Board with new board—Be sure that lug of bearing box sets **down** in groove of bearing box plate.
4. (Fig. 56.) Insert lower end of R. H. Extension Gatherer Support Pipe through large hole at upper end of Gatherer Top Board. Bolt Support Pipe at **upper** bolt in Binder Support Angle and to Breast Plate, with Bolt found in pipe.
5. (Fig. 56.) Bolt Angle Brace to L. H. bolt in Power Shaft Rear Support Plate and to Extension Gatherer Support Pipe—Angle brace goes **between** Power Shaft Support Plate and angle brace for gatherer chain board.

RIGHT-HAND EXTENSION GATHERER—Continued

6. (Fig. 56.) Assemble Bearing Box, Drive Sprockets (**Hubs up**) and Shafts to R. H. Extension Gatherer **at same time** attaching H2420H (61 links) Gatherer Chain, Lower, and H2421H (82 links) Gatherer Chain, Upper. Attach **lower** chain over **lower drive sprocket** and **upper** chain over **upper drive sprocket**. Run chains with **flat side** of lug **next** to corn. Adjust tension of chains—See page 41.

7. (Fig. 56.) Bolt Bracket Supporting Braces (2) to underside of R. H. Gatherer Top Board, Lower, at middle and upper end with longer bolts found in Braces. These strengthen the present brackets and will be found wired to supporting brackets for Extension Gatherer.

8. (Fig. 56.) Set R. H. Extension Gatherer in place with Universal Joint over Gatherer Drive Shaft—Bolt Supporting Brackets to Gatherer Top Board, Lower—upper end bolts to Supporting Pipe and to round brace. Bolt Universal Joint to Gatherer Drive Shaft.

9. (Fig. 56.) Bolt R. H. Extension Gatherer Top Shield, Lower, between Gatherer Point and Board—upper end bolts to top of Gatherer Shield Middle, and to Supporting Bracket.

10. (Fig. 56.) Bolt Throat Side (Sheet Metal) to underside of R. H. Extension Gatherer Chain Board and Gatherer Support Pipe to R. H. Extension.

11. (Fig. 56.) Bolt bundle top discharge arm, furnished, to discharge arm socket.

12. (Fig. 56.) Insert rear end of R. H. Bundle Guide Rod (the one removed from Binder) through Support at upper end of Extension Gatherer, and bolt front end of Rod to Bracket on **underside** of Extension Gatherer Chain Board. Insert rod through **lower** hole in support for **Bundle Carrier** and through **upper** hole for Bundle Elevator.

13. Tighten all bolts securely.

LEFT-HAND EXTENSION GATHERER

1. (Fig. 57.) Bolt L. H. Extension Gatherer Support Pipe to Upper End of Binder Support Angle, with longer bolts found in pipe.

2. (Fig. 57.) Clamp Angle Brace to Main Frame Center Cross Sill. Angle goes to **front** of sill **between** Main Wheel Axle Bracket and Binder Deck. Clamp plate goes to **rear** of sill. Upper end of Brace bolts to front of Extension Gatherer Support Pipe and Binder Support Angle, at **lower** bolt for Twine tension.

LEFT-HAND EXTENSION GATHERER—Continued

3. (Fig. 57.) Bolt Bracket Supporting Braces (2) to **underside** of L. H. Gatherer Top Board, Lower, at middle and upper end with longer bolts found in braces. These strengthen the present brackets and will be found wired to supporting brackets for Extension Gatherer.

4. (Fig. 57.) Set L. H. Extension Gatherer in place and bolt brackets to Gatherer Top Board, Lower—with longer bolts found in brackets. **Lower Bracket bolts at L. H. hole in Bracket so there is a throat clearance of about 5"**—Upper End of Extension Gatherer bolts to Supporting Pipe and to round brace.

5. (Fig. 57.) Bolt L. H. Extension Gatherer Shield, Lower, **between** Gatherer Point and Board—Upper end bolts to **top** of Gatherer Shield, Upper.

6. (Fig. 57.) Bolt the three throat springs to **underside** of L. H. Extension Gatherer Shield—Slotted holes in brackets provide the proper setting of tension to hold stalks into chains of R. H. Extension.

7. (Fig. 57.) Insert rear end of L. H. Bundle Guide Rod through support at upper end of Extension Gatherer and bolt front end to Extension Gatherer Supporting Pipe—Bolt rod at upper hole in supporting pipe for **Bundle Carrier** and at **lower** hole for **Bundle Elevator**.

8. Tighten all bolts.

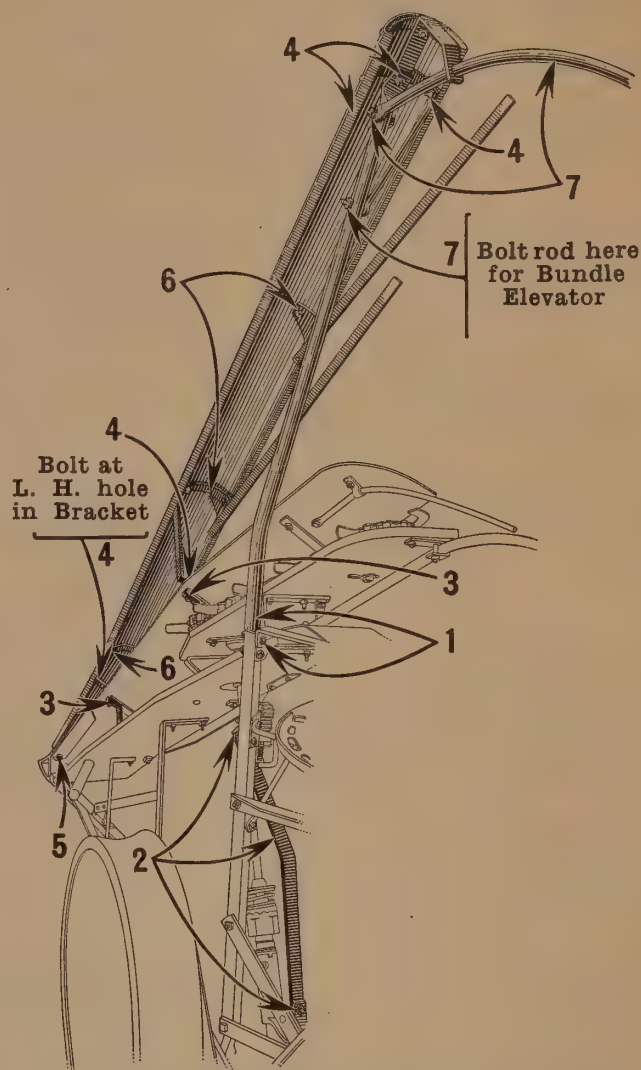


Fig. 57

LOW CUTTING ATTACHMENT

Remove butt chain board upper, butt chain idler sprocket assembly and the two regular side knives.

1. (Fig. 58.) Attach butt chain idler sprocket with stud and roller bearing **at same time** placing butt chain in position—use roller bearing removed from regular butt chain idler.

2. (Fig. 58.) Attach special butt chain board, upper. Board takes same bolts as were removed from regular board —Also stripper rod and knuckle shield on rear end of board.

3. (Fig. 58.) Loosen bolt holding extension butt chain idler sprocket; set extension chain drive sprocket in position **at same time** attaching butt drive chain with **flat side of lug next to corn**.

4. (Fig. 58.) Tighten all nuts and adjust tension of butt drive chains. Do not run too tight.

5. (Fig. 58.) Place special L. H. side knife in position, **at same time** attaching corn butt guide with filler block **between** corn butt guide and L. H. gatherer angle. Insert **front** bolt from **underside**.

6. (Fig. 58.) Attach special R. H. side knife.

7. (Fig. 58.) Assemble knife, shoe and shoe hanger bracket. Knife must set **against** lip of shoe at “A”—**Beveled side of knife down**.

Note: Two knife support brackets are furnished. AH792H is the support bracket to be used on the Tractor Corn Binder and AH793H is the support bracket for Regular Corn Binder. Discard support bracket not used.

8. (Fig. 58.) Bolt knife assembly to R. H. gatherer angles as shown. **Slot** in front of shoe fits **over** gatherer angle. **Tighten bolts securely**.

9. (Fig. 58.) Remove R. H. gatherer chain guide board, upper, and replace with wide board. Transfer chain guide stripper from narrow to wide board.

10. (Fig. 58.) Bolt lower throat spring to **underside** of L. H. gatherer chain board.

11. (Fig. 58.) Secure upper throat spring to L. H. lower gatherer top board bracket with **U-bolt**.

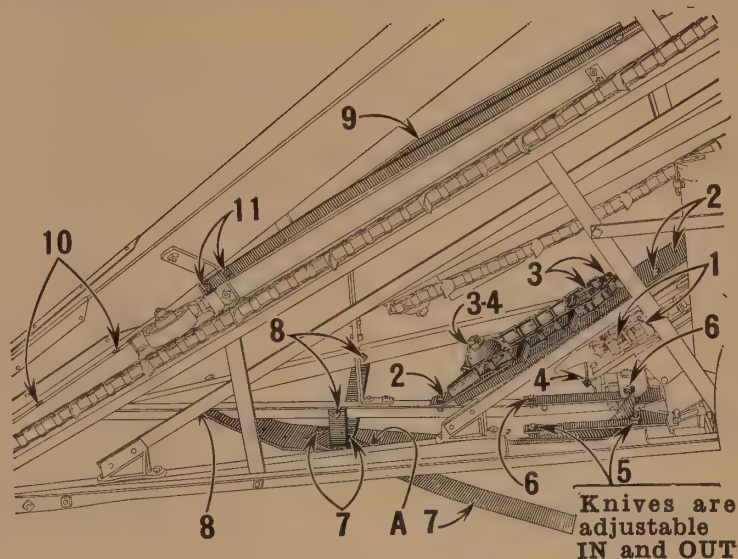


Fig. 58

TRACTOR CONTROL FOR BUTT PAN ADJUSTING LEVER

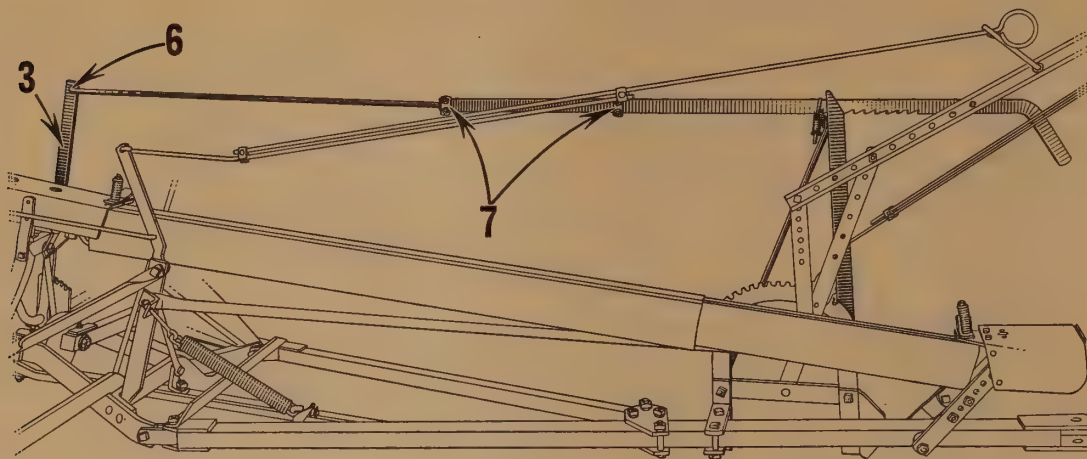


Fig. 59

1. Remove upper section of regular butt pan control lever and detent from lower section.
2. Cut and punch out rivet securing detent spring and dog to stub lever. Slide detent with spring and dog from stub lever.
3. (Fig. 59.) Attach new lever upper section furnished to stub with two bolts at same time securing round brace to upper bolt.

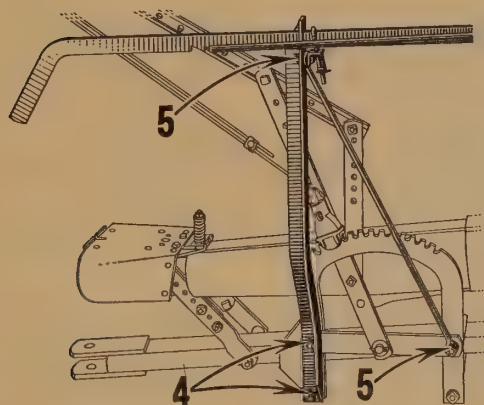


Fig. 60

4. (Fig. 60.) Bolt front support angle for extension control lever to tilting lever sector as shown.
5. (Fig. 60.) Bolt round brace and spring latch to front support angle and to tilting lever sector as shown.
6. (Fig. 59.) Hook extension rod into top of rear upper section of butt pan control lever.
7. (Fig. 59.) Slide front section of butt pan control lever extension through front support bracket and secure to rear extension rod with U-bolt as shown.

Instructions for Operating and Adjusting John Deere Power Driven Corn Binder

1. **GENERAL INSTRUCTIONS:** If trouble is experienced, **determine where it exists before making adjustments.** The binder attachment is adjusted when it leaves the factory, and will operate successfully under average conditions without adjusting. Make no adjustments until paint is worn off and important working parts are smooth. If knotter or twine tension adjustments are made and do not correct trouble, be sure to change back to original position, before making further adjustments.

Successful operation depends largely on proper adjustment of all chains and the manipulation of levers for height of cut, position of butt pan and for tilting, provided to meet varying or extreme conditions.

In average conditions, binder will do good work in traveling from 3 to 3-1/2 miles per hour. **Avoid excessive travel and power shaft speeds.**

Safety First: Avoid serious accidents by keeping hands and clothing away from chains and other moving parts. Special attention is given to the shielding of moving parts but operator must exercise ordinary care.

2. **LUBRICATION:** Keep all bearings and working parts **well lubricated.** Lubricate machine thoroughly twice each day—morning and noon. Lubricate bearings carrying fast moving parts in middle of forenoon and middle of afternoon.

Use transmission oil in Main Drive Gear Housing—See Fig. 2.

High Pressure Grease Gun: Follow instructions attached to gun. Use good gun grease.

3. **CAUTION:** Keep all nuts, set-screws, pins and keys tight. Keep cotters spread.

4. **HEIGHT OF MACHINE ON WHEELS:** Machine works best with both Main Wheels at same height.

5. **CHAINS:** Keep all chains well oiled. Do not run too tight—to do so causes excessive wear. They should be just tight enough to run without climbing sprockets, jumping, or excessive flop. Brush chains freely with a heavy oil.

Main Gatherer Chains. Run with **flat side of lug against corn.** Main and Right-Hand Lower Gatherer Chains have

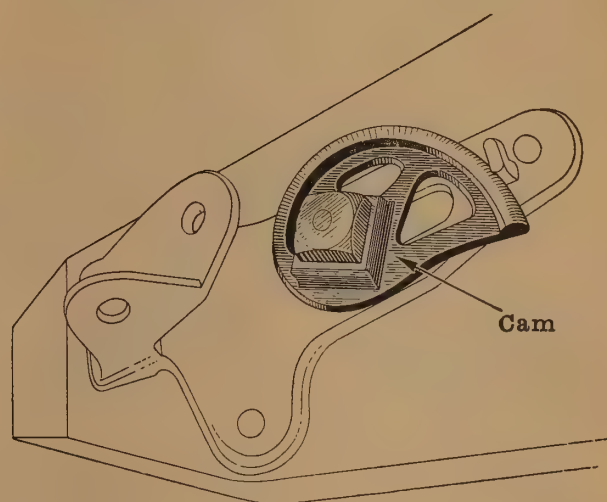


Fig. 61

simple and effective cam tighteners. To adjust, loosen bolt through lower sprocket and cam and turn cam until chain is at proper tension. Then **tighten** bolt.

Slotted holes in R. H. Lower Gatherer Bracket and in chain guide board brackets at 14, Fig. 3, permit setting boards, so that chains will ride the drive sprockets freely without rubbing on Gatherer Board and chain strippers.

Top Gatherer Chains. Top chain tightener brackets with chain guides (wood) are adjustable **up** and **down** for tension of top chains. (See Fig. 62.) Brackets are shipped set in the lower position to attach chains easily.

Butt Chain. To adjust, loosen nut on bolt through butt chain idler sprocket, and tighten nut on adjusting bolt at lower end of butt chain board. Do not set chain too tight.

Steel Roller Chains. Tightener Sprockets operate in slotted guides. **Do not run chains too tight, but they must not be loose enough to slap.**

Bundle Carrier Drive Chain. Tightener Sprocket operates in slotted guide. Run hook end of chain **forward** and slot or **open** side **out**.

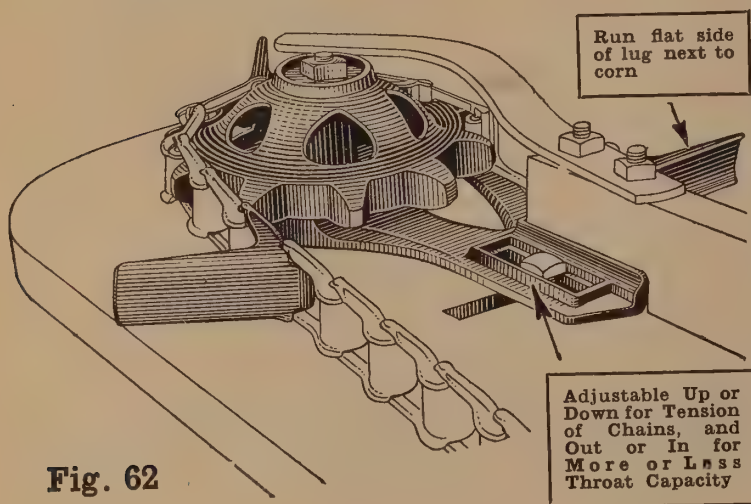


Fig. 62

6. THROAT ADJUSTMENTS—TOP CHAINS: Top chain tightener brackets can be moved **out** or **in** to give throat **more** or **less** capacity. When cutting very tall ensilage corn, if wind is unfavorable and corn is top-heavy, top chains should be set close together to bring the tops back promptly, or set farther apart to retard the tops. (See Fig. 62.)

7. THROAT SPRINGS are fastened to adjustable brackets on gatherer frame angles. They should have only enough tension to hold stalks into chains. Where there is a heavy undergrowth, adjust brackets to set springs tightly against chains. Chains will then elevate trash better and keep butt pan cleaner.

8. RETARDING SPRING—IMPORTANT. Do not fail to make use of the retarding spring on R. H. Lower Gatherer when tops are carried back faster than the butts, particularly in cutting unusually light or short corn. To retard the tops, end of spring should be set tight against binder deck by means of adjustable brackets.

IMPORTANT: For cutting **short corn**, set top chains farther apart if, after adjusting retarding spring, tops are carried back too fast or faster than the butts.

9. CORN BUTT BLOCK on rear of pan holds butts so they do not leave the pan too soon when bundle is discharged. This insures better delivery to the carrier. In **short corn** where there is a heavy undergrowth, it is often advisable to remove this block.

10. BUNDLE GUIDE ROD LEFT-HAND, should be set as shown at "16", Fig. 4 for **Bundle Carrier**. For **Bundle Elevator** turn Clip end for end, setting Guide Rods farther apart and in correct relation to elevator.

11. CUTTING PARTS: Sickle head guide has slotted holes which permit adjustment to take up wear on sickle head.

There must be no binding of the sickle, but all bolts should be tight and sickle head guides set so there will be a shear cut.

Sharpen stationary side knives frequently. Be sure to put them back with **bevel edges** down.

12. BUTT PAN LEVER: Run with pan down as low as possible. Raise pan only when necessary to place band closer to butts.

13. SLIP CLUTCHES: Should clutch slip, stop immediately, determine the cause and correct—do not set clutch under further tension to correct. Slip clutch should be set tight enough for ordinary work without slipping, but loose enough to slip easily if there is clogging.

Slip Clutches are located on:

- Main Power Shaft
- R. H. Gatherer Drive Shaft
- L. H. Gatherer Drive Shaft
- Butt Chain Drive Shaft
- Bundle Carrier Drive Shaft

Tension of Slip Clutch Spring on power shaft is regulated by sleeve nut. Loosen setscrew and turn nut to tighten or loosen tension. Be sure to again tighten setscrew, setting it in recess of shaft.

Tension of the other Slip Clutch Springs is regulated by turning notched adjusting collar above or to rear of spring.

14. TILTING LEVER: In down corn tilting lever should be set so gatherers

will run with points close to ground. Adjust tension of spring so that binder tilts easily.

Adjustments for lengthening or shortening tilting lever and rod operating bundle carrier are provided for different makes of Tractors and for convenience of operator. (See Fig. 6.)

15. TRACTOR HITCH: Tractor Hitch is adjustable so that 3-wheel General Purpose Tractors, as well as 4-wheel Tractors may run with wheels between the rows.

The adjustable hitch will permit the binder to be used in any width of corn rows.

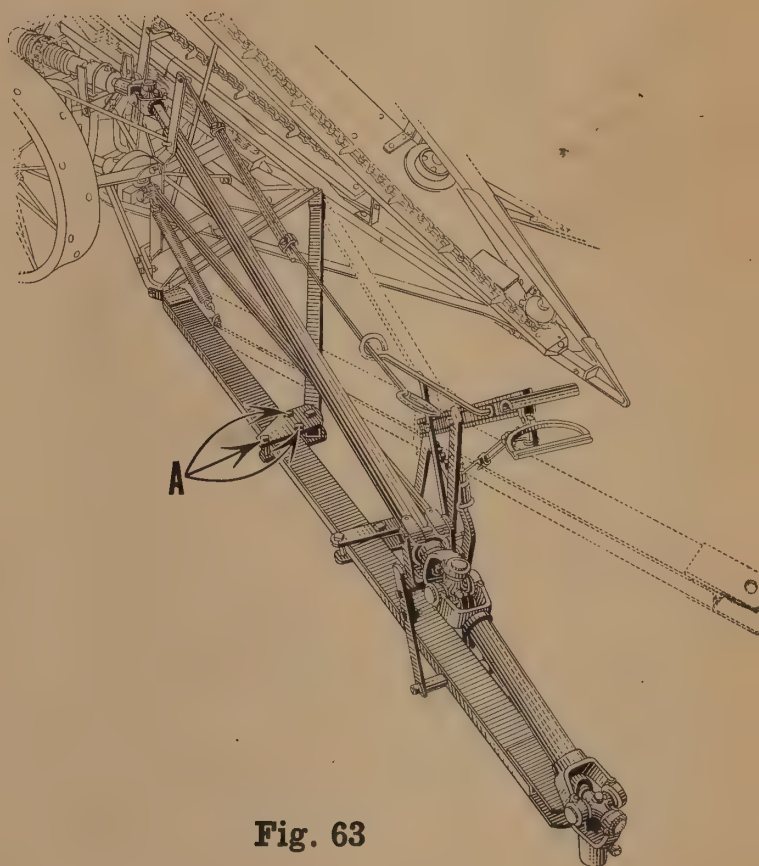


Fig. 63

The hitch can be adjusted by loosening the three bolts at "A", Fig. 63, and moving the hitch to the right or left as desired. Tighten bolts at "A". Fig. 63 shows the range of adjustment possible.

18. **TO THREAD MACHINE**, run twine under ball tension in twine can cover, through twine guard, roller tension, slack arm, twine guide, eye at hub of needle, through needle and over needle roller. The twine is placed in disk by holding end of twine securely in throat next to breast plate and turning discharge arms around by hand.

19. **TWINE TENSION, 8 to 10 pounds**. This amount of tension is ample to take up the slack. To test the twine tension, thread the machine, with this exception: Do not bring the needle over to get the twine in the disk. Tie a loop in twine, hook scale in loop and pull twine through the needle eye, pulling on a line parallel with the binder deck. Then tighten or loosen the twine roller tension spring on binder support angle as the case may require. Be sure that rollers turn freely with pull of twine, and that coil spring has free action. **Do not tighten this spring to make tight bundles.**

20. **NEEDLE**: The needle must, in all cases, come well over against the knife arm in order to carry and place the twine so that the knotter hook will not revolve under the needle twine. When binder is turned over empty, **the needle must**

press hard against the knife arm in order to come over far enough, when in actual operation, to place twine securely in the disk notches. The needle **roller** should clear the disk 1/4" when needle passes through knotter frame. The needle should also set up close to the knotter pinion when passing through the knotter frame so as to readily place the twine in the disk notch. If it should be found necessary to advance the needle, do so by shortening the needle pitman one or more threads, as the case may require.

21. **KNOTTER FRAME ADJUSTMENT**: Adjusting collars to take up wear and keep face of knotter pinions running close but smoothly against tyer wheel are located on knotter shaft just above knotter shield. **Keep Setscrew in Discharge Arm Hub Tight.**

22. **KNOTTER**: (Figs. 64 and 65.) No adjustments should be made unless absolutely sure that trouble lies with the knotter. **Adjustments should be made with caution.**

Important Instructions You Should Always Follow. Be sure you have the proper tension on twine. (See Instruction No. 19 on Twine Tension.) Be sure the twine is pulling freely from **inside** of ball and is properly threaded through roller tension, guides and needle. (See Instruction No. 18.) See that twine knife is sharp. It needs sharpening frequently. **Use a carborundum or oil stone, as you need a keen-cutting edge. Never use a file.**

Knotter Cam Spring HZ5220H should be just tight enough so when twine is

stripped off knotter hook by knife arm, the ends of twine will be held securely by knotter tongue until drawn through and a tight knot made. Do not tighten spring too tight.

Twine Holder or Disk Tension, Thirty-five to Forty Pounds. If HZ5159H twine holder spring tension is **too loose** as knotter hook turns, twine will **slip out of disk**; if **too tight**, twine will **break**. To test the tension on twine holder or disk, thread the machine ready for tying and turn the binder over, complete the knot, and take off this band so as to have the twine securely in the disk. Tie a loop in twine to right of breast plate, and with scale hooked in loop, pull toward front of Binder. Fig. 66 illustrates this test on the grain binder. Tighten or loosen the twine holder spring HZ5159H to get the required pressure. Never make more than a quarter turn of the setscrew at one time, as that may be all that is necessary. Be sure to **tighten** the lock nut. Be sure that you have the washer between the twine holder spring and the knotter frame. The HZ5606H setscrew **screws** into the knotter frame, and the lock nut must be loosened before making any adjustment.

23. SIZE OF BUNDLES: To make small bundles, move trip fingers **toward** breast plate by adjusting setscrews. Loosen

Do not tighten knotter cam spring too much. Do not adjust it to regulate size or tightness of bundles

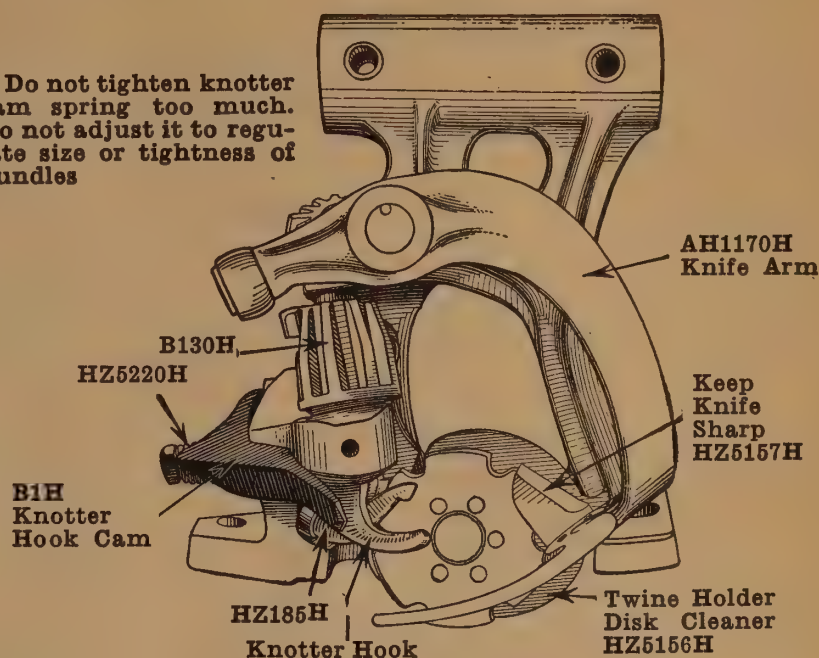


Fig. 64

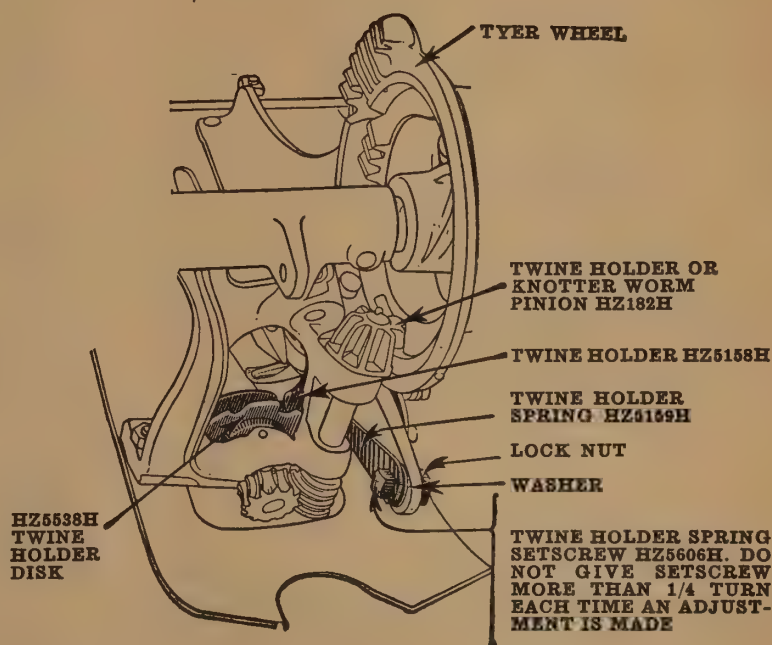


Fig. 65

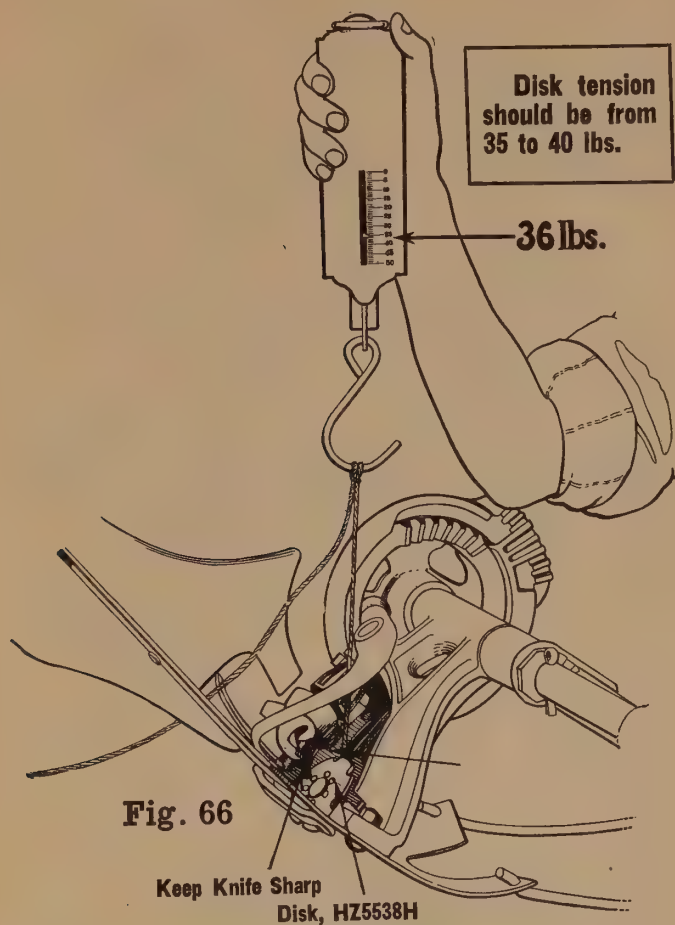


Fig. 66

Keep Knife Sharp
Disk, HZ5538H

KNOTTER SHIELD

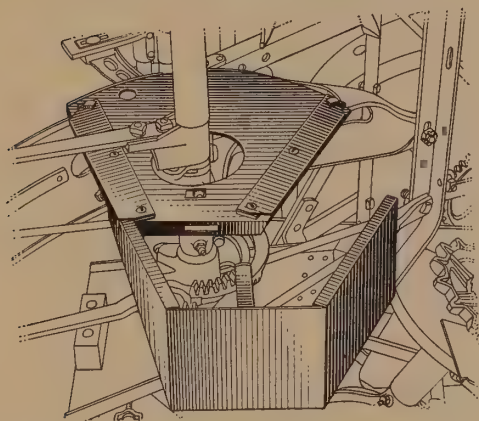


Fig. 67

Knotter shield is removable to make adjustments on knotter easily accessible. Fig. 67 shows shield partly removed. To remove, simply press down on clip at upper center of shield and slide shield out of guides.

trip stop spring on rod through forged end of needle shaft.

To make large bundles, move trip fingers away from breast plate. Tighten trip stop spring on rod through forged end of needle shaft.

24. TIMING OF BINDER ATTACHMENT: Cam Gear has timing rib or mark on tooth near the arm for needle pitman connection. Pinion on right-hand end of cross shaft has two marked teeth. The marked cam gear tooth must mesh between the two marked teeth on the pinion. After meshing cam gear and pinion, be sure discharge arms are set in "home" position and that binder lock sets snugly against needle pitman connection on cam gear.

Pinion on left-hand end of cross shaft also has two marked teeth. Trip dog pinion has one tooth marked with an arrow. This arrowed tooth should be slipped into mesh with the pinion on left-hand end of cross shaft between the two marked teeth.

Binder is properly timed when gears mesh as described above and trip dog is against trip stop with only $1/8''$ clearance with trip dog spring fully compressed—at the same time, Binder Lock must set tight in pocket in needle pitman connection on cam gear.

25. BINDER LOCK. When binder attachment is correctly timed, and binder lock properly adjusted, the discharge arms are locked "home" solidly. With the discharge arms in this position, the binder lock sets snugly in the pocket in needle pitman connection on cam gear.

To prevent undue wear on the binding attachment generally, and particularly on the trip dog pinion, it is important to keep the binder lock setting snugly against needle pitman connection on cam gear.

When play exists between binder lock and cam gear, adjust by loosening nut on bolt holding lock to frame. Also loosen lock nut on adjusting bolt and turn adjusting bolt to pull lock back. The bolt hole in frame is slotted. Be sure binder lock is adjusted so that discharge arms are locked solidly. Tighten nuts.

SPECIAL INSTRUCTIONS FOR TYING TROUBLES

26. In locating causes of tying troubles, first examine twine in box to be sure it is unwinding freely; then follow the twine through the twine guard, roller tension, twine guides, needle and disk. Examine the roller tension and slack arm carefully, and be sure that the tension is sufficient to keep the twine from getting slack. See that the tension rollers are working freely and that the hinged frame of tension is not binding.

Remember that uneven, weak or other kinds of poor twine cause many missed bundles. Dried-out twine, or twine that is wet, causes trouble.

Keep the needle point sharp and smooth, and surface of needle smooth from point to hub.

If some part of the complete knotter is not working as it should, it is assumed that the instructions on preceding pages have been carefully followed, particularly in regard to twine tension, needle and twine knife. If the binder then continues to throw out loose bundles, the usual kinds of defective bands, and the cause for same, will be found as follows (Knotter is illustrated on page 51):

27. If there is a knot in only one end of the band, and the other end is cut square, as though cut off with a sharp knife, twine holder spring HZ5159H is **too loose**. This band is usually found with the untied bundle.

28. If there is a knot in only one end and the other end of this band is flattened out, torn or ragged, the twine holder spring HZ5159H is **too tight**. This band will be found with the untied bundle.

29. If there is no knot in either end of the band, the knotter hook cam spring HZ5220H is **too loose**. This band is usually found with the untied bundle.

30. If the band is hanging on the knotter hook, and is broken by the bundle being discharged, then the knotter hook cam spring HZ5220H is **too tight**.

31. If in picking up a bundle with the band around the bundle, one end slips out, the disk may be slow. As the knotter hook revolves, the hook passes between the strands of twine because the disk has not turned far enough to place both strands down where the knotter hook and tongue can get hold of them. This happens on old knotters, due to wear. Put one or two HZ5399H washers just above worm on HZ5166H worm shaft to advance the disk just the amount necessary. If this defective knot happens on a new binder, twine holder spring HZ5159H usually needs to be tightened slightly.

32. If the band is found tied in slip noose around bundle with the twine extending from bundle to eye of needle, the needle has failed to place twine in the disk. If roller at needle point is badly worn, replace with new needle roller.

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Cat. No.	Description	Cat. No.	Description
MAIN WHEELS, AXLES AND RAISING PARTS		AH 983 H	Pitman Flywheel with Pin and Nut (H724H Complete)
AH 639 H	Main Wheel Roller Bearing, Complete (4 used)	AH 1223 H	Flywheel Wrist Pin with Nut
AH 910 H	Main Wheel Raising Crank with Link, L. H.	AH 1267 H	Wood Sickle Pitman
AH 916 H	Main Wheels (2 used) (No Cut)	AH 1385 H	Main Drive Shaft, L. H., Complete with Universal Plate (No Cut)
AH 1505 H	Inner Bracket for R. H. Main Wheel Axle to set Axle in Lower Position (Special to set R. H. Main Wheel out 16-1/2") (No Cut)	AH 1504 H	Cross Sill for Main Frame, Complete with Axle Bracket (Special to set R. H. Main Wheel out 16-1/2") (No Cut)
AH 1506 H	Main Wheel Raising Crank with Link, R. H.	B 527 H	Stud for Main Drive and Binder Drive Roller Chain Tightener (2 used)
H 371 H	Main Wheel Raising Worm (2 used)	B 5234 H	Roller Chain Link, 3/4" Pitch
H 579 H	Main Wheel Axle Bracket and Raising Worm Housing (2 used)	B 5235 H	Roller Chain Connecting Link, 3/4" Pitch
H 580 H	Main Wheel Raising Worm Gear (2 used)	B 5321 H	Roller Chain Offset End Link, 3/4" Pitch
H 584 H	Main Wheel Washer, Inner (2 used)	B 7531 H	Stiffener Strap, Upper, and Alemite Plate on Sickle Pitman
H 615 H	Main Wheel Washer, Outer (2 used)	B 7532 H	Gasket for Stiffener Strap, Upper, and Alemite Plate on Sickle Pitman
H 1836 H	Main Wheel Raising Crank Eyebolt, L. H.	H 188 H	Countershaft Box (2 used)
H 1880 H	Locking Link for Main Wheel Raising Crank, R. H.	H 581 H	Main Drive Gear Housing
H 2214 H	L. H. Main Wheel Axle Bracket, Inner	H 582 H	Main Drive Gear Housing Cover
H 2215 H	Lower Clamp for Axle on L. H. Main Wheel Axle Bracket, Inner	H 585 H	Flywheel Shaft Box, Front (Order AH733H)
H 2216 H	Upper Clamp for Axle on L. H. Main Wheel Axle Bracket, Inner	H 617 H	Sickle Holder, L. H.
H 2217 H	R. H. Main Wheel Axle Bracket, Inner	H 618 H	Sickle Holder, R. H.
H 2218 H	Main Wheel Axle, R. H.	H 619 H	Sickle Head with Section (Order AH701H)
H 2219 H	Main Wheel Axle, L. H.	H 620 H	Side Knife Support
H 2220 H	Main Wheel Axle Bracket Brace (2 used)	H 622 H	Spacer for Timken Bearings in Main Drive Gear Housing
H 2275 H	Roller Bearing Outer Sleeve (Long) for Main Wheels (2 used)	H 624 H	Cap for Main Drive Gear Housing Bracket
H 2712 H	Brace, Support Angle for R. H. Main Wheel Raising Crank to R. H. Binder Support Bar	H 625 H	Cap, R. H., for Main Drive Gear Housing
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H 3108 H	Main Wheel Raising Crank Support Angle, R. H.	H 649 H	Tightener Sprocket for Main Drive Roller Chain
H 3109 H	Flat Bracket for Main Wheel Raising Crank, R. H. (Used when Axle is in Lower Position)	H 695 H	Bracket for Main Drive Gear Housing
H 3110 H	Main Wheel Raising Crank Eyebolt, R. H.	H 724 H	Pitman Flywheel with Pin and Nut (Order AH933H)
H 3112 H	Latch for L. H. Main Wheel Raising Crank	H 1031 H	Bracket on Front Main Sill for R. H. Gatherer Angle Brace
H 3124 H	Support Angle for R. H. Wheel Raising Crank (Special to set R. H. Wheel out 16-1/2") (No Cut)	H 1038 H	Sickle Section
JD 1954 H	Wheel for Pneumatic Tire (Special) (2 used) (No Cut)	H 1039 H	Side Knife, R. H.
MAIN FRAME		H 1040 H	Side Knife, L. H.
AB 1288 H	50 Links, RC60, 3/4" Pitch Steel Roller Chain (23 Roller and 22 Connecting Links Riveted, 2 Connecting, 1 Roller and 2 Offset Cottered Links) (No Cut)	H 2101 H	Flywheel Shaft Bevel Gear
AH 701 H	Sickle Head with Section (H619H Complete)	H 2102 H	Flywheel Shaft Bevel Pinion
AH 733 H	Flywheel Shaft Box, Front (H585H Complete)	H 2104 H	Main Frame Cross Sill, Rear
AH 810 H	Main Drive Shaft, R. H., Complete with Universal Plate	H 2105 H	Main Frame Cross Sill, Middle
AH 812 H	Coupling Shaft, Complete with Plates for R. and L. H. Main Drive Shafts	H 2108 H	Main Frame Sill, L. H. (No Cut)
AH 965 H	Chain Tightener Bracket for Main Drive Roller Chain	H 2112 H	Flywheel Shaft
		H 2113 H	Spacer between Main Drive Bevel Gear and L. H. Bearing
		H 2116 H	Grease Retainer for Front of Main Drive Gear Housing
		H 2117 H	Hub for Main Drive Sprocket on Flywheel Shaft
		H 2175 H	U-Bolt for Flywheel Shaft Box, Front
		H 2206 H	Main Driven Sprocket on Flywheel Shaft (19 Teeth) (Special to speed up Binder)
		H 2237 H	Collar on L. H. End of Main Drive Shaft
		H 2238 H	Sickle Head Wearing Plate, Rear
		H 2257 H	Gasket for Main Drive Gear Housing Cap
		H 2258 H	Shim, R. H., in Main Drive Gear Housing
		H 2259 H	Shim, L. H., in Main Drive Gear Housing
		H 2261 H	Oil Seal in Front Cap on Main Drive Gear Housing
		H 2446 H	Diagonal Sill for Main Frame (No Cut)

REPAIR LIST FOR JOHN DEERE POWER DRIVEN CORN BINDER

Cat. No.	Description	Cat. No.	Description
	MAIN FRAME—Continued		
H 2447 H	Bracket on Main Frame Middle Cross Sill for Diagonal Sill	H 683 H	Lug Carrier Link for Butt Chain
H 2448 H	Bracket on R. H. Main Frame Sill for Diagonal Sill	H 803 H	Slip Clutch for Butt Chain
H 2449 H	Rear Bracket for Main Frame Diagonal Sill	H 831 H	Spring Adjusting Collar for Butt Chain (No Cut)
H 2503 H	Main Frame Front Channel (No Cut)	H 1090 H	Pan Raising Lever Bar Strap
H 2536 H	Connecting Plate for R. H. End of Main Frame Middle Cross Sill	H 1093 H	Rear Pan Raising Bar Clip (2 used)
H 2686 H	R. H. Side Sill (Special to set R. H. Wheel out 16-1/2") (No Cut)	H 1224 H	Butt Chain Upper Board Bracket
H 2738 H	Sickle Head Wearing Plate, Lower	H 1227 H	Butt Chain Guide, Upper
H 2740 H	Main Drive Sprocket on Flywheel Shaft (23 Teeth)	H 1680 H	Pan Stop Plate on Lower Butt Board
H 2741 H	Main Drive Roller Chain (58 Links, 3/4" Pitch) (Order 1-AB1288H, 4-B5234H, 4-B5235H) (No Cut)	H 1684 H	Butt Chain Tightener Eyebolt
H 2763 H	Sickle Head Guide, Front, R. H.	H 1692 H	Pan Hinge, Complete (2 used)
H 2844 H	Main Frame Sill, R. H.	H 2132 H	Butt Chain Guide, Lower
H 2927 H	Alemite Plate, Front, on Sickle Pitman	H 2276 H	Bracket for Pan Paralleling Lever Link
H 2928 H	Gasket for Alemite Plate on Front of Sickle Pitman	H 2280 H	Butt Chain Stripper Spring
H 2971 H	Packer Shaft Drive Sprocket on Main Drive Shaft (18 Teeth) (No Cut)	H 2304 H	Pan Paralleling Lever Link
H 3054 H	Main Frame Cross Sill, Front	H 2313 H	Pan Raising Lever Bar
HZ 5648 H	Roller Bearing, Complete in Boxes on Main Drive Shaft (2 used)	H 2314 H	Pan Paralleling Lever
J 6381 H	Shim, Front (Large) in Main Drive Gear Housing	H 2315 H	Bracket for Pan Raising Lever Crank
J 6382 H	Shim, Front (Small) in Main Drive Gear Housing (.010")	H 2454 H	Support for Lower Butt Chain Board Extension Bracket
J 10537 H	Shim, Front (Small) in Main Drive Gear Housing (.005")	H 2568 H	Pan Raising Lever
J 10538 H	Shim, Front (Small) in Main Drive Gear Housing (.030")	H 2572 H	Pan Raising Lever Sector
J 10539 H	Shim, Front (Small) in Main Drive Gear Housing (.048")	H 2573 H	Detent Rod for Pan Raising Lever
JD 7243 H	Main Drive Roller Bearing, Complete (less Cup) (Cup JD7262H) (Timken No. 14125 or 14125A) (4 used)	H 2640 H	Butt Chain Board, Upper
JD 7262 H	Cap for JD7243H Main Drive Roller Bearing (Timken No. 14274) (4 used)	H 2682 H	Butt Chain Board Extension, Lower
P 29360 H	Pin for 3/4" Pitch Roller Chain Offset End Link	H 2693 H	Lower Butt Chain Board Extension Bracket
Z 752 H	Nut for Flywheel Wrist Pin	H 2697 H	Butt Chain Guide Board, R. H.
Z 6573 H	Oil Retaining Ring in Main Drive Gear Housing	H 2698 H	Plate on R. H. Butt Chain Guide Board
	PAN AND BUTT CHAIN	H 2709 H	Bracket for Front End of Butt Chain Board, Lower
AH 654 H	Pan, Front Section	H 2731 H	Stiffener Plate on Lower Butt Board for Lower Bracket
AH 704 H	Pan, Complete (No Cut)	H 2903 H	Stiffener Strap on Lower Butt Board
AH 807 H	Butt Chain (33 J219H Links with 10-H682H and 10-H683H Complete) (No Cut)	H 2945 H	Butt Chain Guide Board, L. H.
AH 826 H	Pan Raising Lever Crank	H 2946 H	Butt Chain Guide Angle, Upper
AH 911 H	Corn Chute Bottom	H 2947 H	Butt Chain Guide Angle, Lower
AH 912 H	Corn Chute Side	H 2955 H	Extension Rod for Tractor Control Butt Pan Lever (Special)
AH 1229 H	Butt Chain Board, Lower	H 2956 H	Tractor Control Butt Pan Lever (Special)
AH 1503 H	Support Angle for Tractor Control Butt Pan Lever (Special)	H 2959 H	Latch for Tractor Control Butt Pan Lever (Special)
B 275 H	Pan Raising Lever Plunger	H 2960 H	Guide for Tractor Control Butt Pan Lever Latch (Special)
H 63 H	Butt Chain Idler Sprocket Stud	H 2961 H	Extension on Pan Raising Crank for Tractor Control Butt Pan Lever (Special)
H 676 H	Butt Chain Sprocket with R. H. Gatherer Drive Knuckle	H 2972 H	Pan Rear Section
H 681 H	Butt Chain Idler Sprocket	H 2973 H	Corn Butt Retarding Block
H 682 H	Connecting Link for H683H and J219H Link	H 3060 H	Roller for Butt Chain Slip Clutch (2 used)
		H 3062 H	Retainer for Roller Pin in Butt Chain Slip Clutch
		H 3117 H	Brace, Support Angle for Tractor Control Butt Pan Lever to Lever Sector (Special)
		J 219 H	Link for Butt Chain
		J 4221 H	Bushing for Butt Chain Link
		K 5487 H	U-Bolt for Tractor Control Butt Pan Lever Extension Rod (2 used) (Special)
		K 5489 H	Clamp for Tractor Control Butt Pan Lever Extension Rod U-Bolt (2 used) (Special)
		Z 5362 H	Pan Raising Lever Spring Stop
		Z 5382 H	Hand Latch for Pan Raising Lever
			GATHERERS
			Chain Link for Gatherer Chain
			Short Lug Link for Gatherer Chain
			Long Lug Link for Gatherer Chain

For Cuts of Repair Parts, see pages 77 and 78.

Cat. No.	Description	Cat. No.	Description
GATHERERS—Continued			
AH 647 H	Bundle Guide Rod, R. H.	H 1246 H	R. H. Top Gatherer Board Upper Bracket Brace
AH 648 H	Bundle Guide Rod, L. H.	H 1247 H	L. H. Rear Top Board Rod
AH 739 H	R. H. Gatherer Knuckle Shield, Complete	H 1248 H	R. and L. H. Long Gatherer Chain Stripper, Upper (2 used)
AH 1221 H	R. H. Lower Gatherer Board	H 1252 H	L. H. Long Gatherer Chain (79 No. 7 and 20 No. 7C Lugs) (No Cut)
AH 1397 H	Long Gatherer Board, R. H.	H 1256 H	R. H. Lower Gatherer Chain (48 No. 7 and 12 No. 7C Lugs) (No Cut)
AH 1398 H	Long Gatherer Board, L. H.	H 1260 H	Top Board Connection (2 used)
AH 1419 H	R. H. Gatherer Drive Shaft, Upper	H 1297 H	L. H. Long Gatherer Chain Guide Board, Front
AH 1420 H	L. H. Gatherer Drive Shaft, Upper	H 1298 H	R. H. Long Gatherer Chain Guide Board, Front
B 4659 H	Roller Bearing, Complete for Gatherer Drive Shaft, Upper (2 used)	H 1389 H	R. H. Bundle Guide Rod Clip
H 77 H	Stud for R. and L. H. Gatherer Chain Tightener Sprocket and Chain Idler Sheaves (5 used)	H 1502 H	L. H. Top Board Bracket, Upper
H 85 H	Gatherer Chain Tightener Cam (2 used)	H 1523 H	Slotted Plate on Top Chain Board, R. and L. H. (2 used)
H 91 H	Gatherer Point, L. H.	H 1550 H	L. H. Top Gatherer Chain (42 No. 7 and 10 No. 7D Lugs) (No Cut)
H 92 H	Gatherer Point, R. H.	H 1576 H	R. and L. H. and Middle Gatherer Chain Stripper (3 used)
H 204 H	Check Spring Holder, Upper	H 1851 H	Stiffener for H1201H Short Throat Spring
H 205 H	Check Spring Holder, Lower	H 1853 H	Bundle Guide Rod Clip Plate
H 380 H	Top Gatherer Chain Tightener Bracket, L. H.	H 1854 H	Bundle Guide Rod Hook Bolt
H 381 H	Top Gatherer Chain Tightener Bracket, R. H.	H 2128 H	Gatherer Top Chain Board, L. H.
H 577 H	Gatherer Drive Gear Bracket, R. H.	H 2133 H	L. H. Top Board Bracket, Lower
H 578 H	Gatherer Drive Gear Bracket, L. H.	H 2134 H	R. H. Top Board Bracket, Lower
H 621 H	Throat Spring Bracket (2 used)	H 2135 H	R. H. Lower Gatherer Chain Post Bracket
H 631 H	Gatherer Chain Sheave (2 used)	H 2137 H	Angle Brace for L. H. Gatherer Angle (No Cut)
H 632 H	Top Gatherer Chain Tightener Sprocket (2 used)	H 2142 H	L. H. Gatherer Drive Shaft, Lower
H 633 H	Chain Tightener Sprocket for R. H. Lower and Long Gatherer Chain and L. H. Long Gatherer Chain (3 used)	H 2143 H	Spacer for Roller Bearings in R. H. Gatherer Lower Drive Shaft Bracket
H 657 H	Gatherer Driven Gear (2 used)	H 2144 H	Spacer for Roller Bearings in L. H. Gatherer Lower Drive Shaft Bracket
H 658 H	Gatherer Drive Gear (2 used)	H 2147 H	R. H. Gatherer Top Board, Upper
H 679 H	Gatherer Drive Knuckle (2 used)	H 2148 H	L. H. Gatherer Top Board, Upper
H 766 H	Gatherer Drive Shaft Box (2 used) (Roller Bearing B4659H)	H 2149 H	L. H. Gatherer Top Board, Lower (No Cut)
H 776 H	R. and L. H. Gatherer Drive Sprocket	H 2150 H	R. H. Gatherer Top Board, Lower (No Cut)
H 802 H	Gatherer Driven Knuckle with Slip Clutch, R. and L. H. (2 used)	H 2226 H	Check Spring
H 803 H	Slip Clutch for Gatherer Chains (2 used)	H 2228 H	R. H. Top Gatherer Chain Guide Board
H 831 H	Spring Adjusting Collar for Gatherer Chain Slip Clutches (2 used) (No Cut)	H 2229 H	L. H. Top Gatherer Chain Guide Board
H 1189 H	R. H. Gatherer Knuckle Shield Clip	H 2230 H	R. H. Long Gatherer Chain Guide Board, Upper
H 1200 H	Long Throat Spring	H 2231 H	L. H. Long Gatherer Chain Guide Board, Upper
H 1201 H	Short Throat Spring with Stiffener	H 2252 H	R. H. Gatherer Board and Angle Connection
H 1208 H	Gatherer Ball Race Cage, Complete, R. and L. H.	H 2253 H	L. H. Gatherer Board and Angle Connection
H 1209 H	3/8" Steel Ball for Gatherer Ball Race (No Cut)	H 2268 H	Throat Side, Front
H 1215 H	R. H. Gatherer Top Board Bracket, Upper	H 2346 H	L. H. Bundle Guide Rod Clip
H 1216 H	L. H. Gatherer Top Board Bracket, Middle	H 2475 H	Gatherer Ball Race, R. and L. H. (2 used)
H 1221 H	R. H. Gatherer Top Chain Board Bracket Brace (2 used)	H 2476 H	Gatherer Ball Race Cover, R. and L. H. (2 used)
H 1235 H	L. H. Gatherer Top Chain Board Bracket, Upper	H 2492 H	L. H. Gatherer Drive Shaft, Lower
H 1236 H	L. H. Gatherer Top Chain Board Bracket, Lower	H 2501 H	R. H. Gatherer Angle Brace (No Cut)
H 1237 H	L. H. Gatherer Top Chain Board Bracket Brace (2 used)	H 2644 H	Bracket for R. and L. H. Gatherer Chain Board (2 used)
H 1241 H	Gatherer Drive Shaft Box Bracket, Upper, R. and L. H. (2 used)	H 2654 H	Gatherer Top Chain Board, R. H.
H 1242 H	Top Gatherer Chain Stripper, Upper, R. and L. H.	H 2660 H	R. H. Long Gatherer Chain (80 No. 7 and 20 No. 7C Lugs) (No Cut)
		H 2661 H	R. H. Top Gatherer Chain (31 No. 7 and 8 No. 7D Lugs) (No Cut)
		H 2690 H	R. H. Middle Gatherer Chain Guide Board, Front

REPAIR LIST FOR JOHN DEERE POWER DRIVEN CORN BINDER

Cat. No.	Description	Cat. No.	Description
GATHERERS—Continued		ADJUSTABLE BINDER ATTACHMENT	
H 2691 H	R. H. Middle Gatherer Chain Guide Board, Rear	(Needle and Knotter Adjustable to High Position for Long Corn or Low Position for Short Corn)	
H 2692 H	Front Support for R. H. Lower Gatherer Board	AB 1288 H	50 Links, RC60, 3/4" Pitch Steel Roller Chain (23 Roller and 22 Connecting Links Riveted, 2 Connecting, 1 Roller and 2 Offset Cottered Links) (No Cut)
H 2694 H	R. H. Middle Gatherer Board Front Support and Bracket for Lower Chain Board	AH 640 H	Steel Twine Guide with H362H
H 2703 H	R. H. Gatherer Top Board Bracket, Middle	AH 652 H	Lower Packer with Cap (H596H Complete)
H 2711 H	R. H. Lower Gatherer Chain Adjusting Bracket	AH 653 H	Upper and Middle Packer with Cap (2 used Regular) (1 used Short Corn) (H597H Complete)
H 2761 H	L. H. Gatherer Board Support, Rear	AH 655 H	Rear Throat Side
H 2786 H	L. H. Gatherer Board Support, Front	AH 727 H	Cam Gear Shield
H 2787 H	R. H. Gatherer Board Brace Rod	AH 740 H	Twine Tension, Complete
H 2977 H	Gatherer Angle, R. H. (No Cut)	AH 799 H	Packer Shaft Bearing and Drive Gear Stud Bracket (H688H Complete)
H 2978 H	Gatherer Angle, L. H. (No Cut)	AH 819 H	Trip Spring Case (H668H Complete)
H 3017 H	Angle Brace from R. H. Gatherer Board to Power Shaft Rear Box Bracket	AH 915 H	Roller Bearing, Complete in Packer Shaft Drive Gear and Sprocket Hub
H 3057 H	R. H. Gatherer Drive Shaft, Lower	AH 919 H	Shield for Trip Dog Pinion
H 3060 H	Roller for Gatherer Chain Slip Clutches (4 used)	AH 968 H	Thrust Ball Bearing, Upper, on Packer Crankshaft
H 3062 H	Retainer for Roller Pin in Gatherer Chain Slip Clutches (2 used)	AH 1176 H	Shield for Packer Shaft Drive Gears
H 3075 H	Rear Bracket for R. H. Middle Gatherer Board	AH 1219 H	Compressor Bell Crank (H709H Complete)
H 3076 H	R. H. Gatherer Board Support Bracket, Rear	AH 1389 H	Compressor Shaft
H 3103 H	R. H. Gatherer Top Chain Board Bracket, Upper and Lower	AH 1390 H	Trip Stop Shaft
H 3111 H	L. H. Gatherer Board Support, Lower	AH 1392 H	Packer Crankshaft
HZ 5073 H	L. H. Rear Top Board Rod Clip	AH 1393 H	Binder Support Angle
P 4552 H	Roller Bearing, Complete in Gatherer Drive Gear Brackets (4 used)	AH 1394 H	Breast Plate Stripper
KNOTTER		AH 1451 H	Binder Trip Stop (H792H with Cap)
AH 1170 H	Knife Arm, Complete (B823H Complete)	AH 1452 H	Binder Deck, Complete
AH 1461 H	Knotter, Complete	AH 1457 H	Needle, Complete (H793H with H805H Cap)
AH 1482 H	Knotter Frame (H783H Complete)	AH 1478 H	Twine Shield with Pipe Spacer
AH 1484 H	Removable Sides for Knotter Shield	AH 1495 H	Lower Discharge Arm Flat Stripper
AH 1487 H	Knotter Shield (No Cut)	AH 1517 H	Knotter or Cam Gear Shaft (No Cut)
B 1 H	Knotter Cam	B 251 H	5/16" Horned Nut on Twine Tension Bolt
B 130 H	Knotter Hook Pinion	B 253 H	Binder Lock
B 823 H	Knife Arm (Order AH1170H)	B 277 H	Binder Trip Stop Cap
B 6219 H	Knife Arm Clip	B 529 H	Binder Bevel Pinion, L. H.
H 783 H	Knotter Frame (Order AH1482H)	B 553 H	Packer Shaft Driven Sprocket on Drive Gear Stud (20 Teeth)
H 3083 H	Spacer on Knotter Shield for Guide (2 used)	B 597 H	Cam Gear Pinion
H 3084 H	Guide, Rear, for Removable Sides on Knotter Shield	B 610 H	Trip Dog with Roller
H 3085 H	Guide, Front, for Removable Sides on Knotter Shield	B 726 H	Roller Drive Sprocket on Rear Power Shaft (16 Teeth)
HZ 182 H	Cord Holder Pinion	B 730 H	Binder Lock Bracket
HZ 185 H	Knotter Hook	B 792 H	Needle Pitman Head (2 used)
HZ 5156 H	Twine Holder Disk Cleaner	B 1049 H	Binder Trip Dog Pinion
HZ 5157 H	Knife for Twine	B 4805 H	Twine Tension Yoke
HZ 5158 H	Twine Holder	B 5234 H	Roller Chain Link, 3/4" Pitch
HZ 5159 H	Twine Holder Spring	B 5235 H	Roller Chain Connection Link, 3/4" Pitch
HZ 5161 H	Knife Arm Roller	B 5321 H	Roller Chain Offset End Link, 3/4" Pitch
HZ 5166 H	Knotter Worm	B 6028 H	Trip Dog Pinion, Complete
HZ 5167 H	Knotter Worm Gear on HZ5538H Twine Holder Disk	B 6349 H	Binder Lock, Complete
HZ 5373 H	Knotter Shield Latch	B 7835 H	Stud in Needle Shaft for Pitman
HZ 5538 H	Twine Holder Disk, Complete	B 7850 H	Needle Pitman
		B 7851 H	Nut for Pitman Stud in Needle Shaft
		H 160 H	Compressor Spring Yoke Nut
		H 362 H	Twine Eye in Steel Twine Guide
		H 570 H	Breast Plate
		H 573 H	Hub for Upper Discharge Arm
		H 574 H	Cap for Binder Drive Gear Stud

Cat. No.	Description	Cat. No.	Description
	ADJUSTABLE BINDER ATTACHMENT		
	—Continued		
	(Needle and Knotter Adjustable to High Position for Long Corn or Low Position for Short Corn)	H 2278 H	Brace, Binder Support Angle to Main Frame
H 596 H	Lower Packer with Cap (Order AH652H)	H 2279 H	Rear Throat Side Retaining Strap
H 597 H	Upper and Middle Packer with Cap (Order AH653H)	H 2281 H	Brace, Binder Support Angle to L. H. Gatherer Board
H 598 H	Packer Cap (3 used)	H 2284 H	Bracket for Cam Gear Shield (2 used)
H 601 H	Packer Crank Box, Middle	H 2285 H	Bracket for Packer Shaft Drive Gear Shield
H 602 H	Packer Crank Box, Upper	H 2340 H	Binder Drive Steel Roller Chain (52 Links, 3/4" Pitch) (Order 1-AB1288H, 1-B5234H and 1-B5235H) (No Cut)
H 649 H	Tightener Sprocket for Main Drive Roller Chain and Binder Drive Chain	H 2431 H	Tightener Bracket for Binder Drive Chain
H 656 H	Compressor Shaft Lever	H 2432 H	Diagonal Brace from Binder Support Angle to L. H. Binder Support Bar
H 660 H	Bracket on Compressor Shaft for Bundle Top Retainer (Special)	H 2490 H	Binder Diagonal Shaft
H 661 H	Compressor and Packer Shaft Bar Connection	H 2498 H	Spacer on Compressor Shaft for Lower Packer Link
H 666 H	Compressor Shaft Retainer	H 2527 H	Spacer, Lower, on Compressor Shaft for Middle Packer Link
H 668 H	Compressor Spring Case (AH819H Complete)	H 2528 H	Spacer, Upper, on Compressor Shaft for Middle Packer Link
H 688 H	Packer Shaft Bearing and Drive Gear Stud Bracket (Order AH799H)	H 2672 H	Pipe Spacer on Upper End of Compressor Shaft
H 702 H	Bracket for Bundle Top Discharge Arm, R. H. (Special)	H 2683 H	Bundle Top Discharge Arm, R. H. (Special)
H 703 H	Packer Shaft Drive Gear and Sprocket Hub	H 2700 H	Link for Bundle Top Discharge Arm, R. H. (Special)
H 709 H	Compressor Bell Crank (Order AH1219H)	H 2719 H	Binder Support Bar, L. H.
H 720 H	Packer Crank Box, Lower	H 2746 H	Hanger, Front, for Trip Dog Pinion Shield
H 721 H	Packer Shaft Drive Pinion	H 2747 H	Hanger, Rear, for Trip Dog Pinion Shield
H 781 H	Cam Gear	H 2839 H	Ball Race Washer for Crankshaft Thrust Ball Bearing
H 782 H	Binder Frame	H 2974 H	Bundle Top Retainer, L. H. (Special) (No Cut)
H 784 H	Tyer Wheel	H 2979 H	Bracket, Rear, for Binder Support Bar, L. H.
H 788 H	Upper and Middle Packer Link	H 2980 H	Guard Angle for Binder Drive Clutch
H 789 H	Lower Packer Link	H 2984 H	Thrust Ball Bearing, Lower, on Packer Crankshaft
H 790 H	Upper Support for Needle Shaft	H 2985 H	Needle Shaft
H 791 H	Trip Finger, Upper and Lower (2 used)	H 2988 H	Binder Extension Slide Pipe
H 792 H	Binder Trip Stop (Order AH1451H)	H 2994 H	Bracket for Bundle Carrier Support Rod
H 793 H	Needle (Order AH1457H)	H 2995 H	Pin in Needle for Cap
H 794 H	Trip Finger Adjusting Bracket (2 used)	H 2997 H	Binder Deck Extension
H 795 H	Binder Drive Clutch	H 3015 H	Collar on Upper End of Trip Stop Shaft
H 797 H	Hub for Lower Discharge Arm	H 3068 H	Support for Twine Shield
H 798 H	Knotter Adjusting Collar, Upper	H 3069 H	Hinge for Twine Shield Support
H 799 H	Knotter Adjusting Collar, Lower	H 3073 H	Twine Shield on Binder Deck
H 800 H	Compressor Arm (2 used)	H 3074 H	Brace for Twine Shield on Binder Deck
H 801 H	Twine Eye in Needle	H 3090 H	Brace for Lower Discharge Arm Flat Stripper
H 805 H	Cap for Needle	H 3092 H	Notched Washer between Knotter Frame and Tyer Wheel (.030") (1-13/32" x 2-1/4") (No Cut)
H 807 H	Hub for Upper Discharge Arms	H 3093 H	Notched Washer between Knotter Frame and Tyer Wheel (.060") (1-13/32" x 2-1/4") (No Cut)
H 808 H	Compressor Finger (2 used)	H 3094 H	Notched Washer between Knotter Frame and Tyer Wheel (.105") (1-13/32" x 2-1/4") (No Cut)
H 1179 H	Breast Plate Stripper Brace	H 3098 H	Support, R. H., for Lower Discharge Arm Flat Stripper Brace
H 1762 H	Shim for Packer Cap	H 3099 H	Support, L. H., for Lower Discharge Arm Flat Stripper Brace
H 1767 H	Twine Slack Arm	H 3100 H	Discharge Arm Stripper Shield
H 2155 H	Packer Shaft Middle Bearing Support Angle	H 3101 H	Angle for Discharge Arm Stripper Shield
H 2156 H	Packer Shaft Upper Box Bracket	H 3102 H	Bracket for Discharge Arm Stripper Shield Angle
H 2161 H	Packer Crank Upper Box Bracket Support Bar	H 3104 H	Breast Plate Support Angle
H 2169 H	U-Bolt for Packer Shaft Box, Middle	H 3105 H	Crank for Bundle Top Discharge Arm, R. H. (Special)
H 2170 H	Binder Support Bar, R. H.		
H 2171 H	Bracket, Front, for Binder Support Bar, R. H.		
H 2172 H	Bracket, Rear, for Binder Support Bar, R. H.		
H 2250 H	Durex Bearing for Packer Shaft Drive Gear Stud Bracket (2 used)		
H 2264 H	Adjustable Brace, R. H., to Breast Plate Support Angle		
H 2265 H	Adjustable Brace, L. H., to Breast Plate Support Angle		

For Cuts of Repair Parts, see pages 79 and 80.

Cat. No.	Description	Cat. No.	Description
ADJUSTABLE BINDER ATTACHMENT		B 272 H	Swivel Casting in Clutch Shifter for Rod to Bell Crank
—Continued		B 743 H	Stud for Bundle Carrier Drive Chain Tightener Sprocket
(Needle and Knotter Adjustable to High Position for Long Corn or Low Position for Short Corn)		H 545 H	Slip Clutch, Rear
H 3118 H	Flat Brace from Binder Deck to Binder Support Angle	H 548 H	Clutch Shifter
H 3150 H	Shield for Binder Drive Clutch	H 560 H	Adjusting Collar on Clutch Shaft
H 3151 H	Support for Twine Shield	H 667 H	Idler Sprocket for Conveyor Chain (2 used)
H 3152 H	Hinge for Twine Shield Support	H 671 H	Gear Bracket on Carrier
HZ 229 H	Horned Nut, 7/16", for Bolt through Breast Plate and Support Angle	H 674 H	Drive Gear Housing
HZ 240 H	Twine Tension Roller (2 used)	H 675 H	Front Drive Shaft Front Bearing Box and Conveyor Chain Drive Shaft Box, Rear (2 used)
HZ 292 H	Twine Can Ball Tension	H 684 H	Universal Joint for Shaft in Gear Bracket on Carrier, and Drive Shaft on Binder (2 used)
HZ 5120 H	Compressor Bell Crank Roller	H 685 H	Universal Joint, Outer, for Square Shaft
HZ 5162 H	Trip Dog Roller	H 686 H	Universal Joint, Inner, R. H.
HZ 5164 H	Needle Roller	H 687 H	Universal Joint Connection (2 used)
HZ 5541 H	Hook Bolt in Needle Shaft for Spring	H 690 H	Drive Sprocket for Conveyor Chain (2 used)
HZ 5881 H	Discharge Arm on Tyer Wheel	H 691 H	Spacer Block on Drive Shaft for Shield
HZ 6151 H	Straight Discharge Arm (3 used)	H 693 H	Bundle Carrier Drive Sprocket on Rear Power Shaft
HZ 7102 H	Trip Spring Rod in Trip Spring Case	H 694 H	Bundle Carrier Driven Sprocket on Front Slip Clutch (8 Teeth)
P 25750 H	Pipe Spacer for Twine Shield	H 711 H	Bevel Gear in Gear Bracket on Carrier (17 Teeth)
P 29360 H	Pin for 3/4" Pitch Roller Chain Offset End Link	H 712 H	Bevel Pinion in Gear Bracket on Carrier (12 Teeth)
MISCELLANEOUS		H 713 H	Drive Gear in Gear Housing (17 Teeth)
H 1734 H	Fender Stick	H 714 H	Bevel Pinion in Gear Housing (12 Teeth)
H 2337 H	Twine Can Support, Lower	H 2176 H	Drive Shaft, R. H., in Gear Housing on Main Frame
H 2643 H	Twine Can Support, Upper	H 2312 H	Square Drive Shaft on Carrier
HZ 5323 H	Hand Punch	H 2319 H	Stop for Support Beam (4 used)
HZ 5324 H	Cold Chisel	H 2338 H	Support Rod from Bracket on Binder Frame to Carrier
HZ 5373 H	Twine Can Latch, Male	H 2487 H	Shield for Gear Bracket on Outer End of Carrier
HZ 7055 H	Twine Can, Complete	H 2512 H	Cross Sills for Carrier Bottom, 1st, 2nd and 3rd from Inner End
JD 50 A	"S" Wrench, Size of Jaws, 5/16" and 3/4"	H 2513 H	Cross Sill, Outer, for Carrier Bottom
JD 52 A	"S" Wrench, Size of Jaws, 7/8" and 1-1/16"	H 2514 H	Shield for Conveyor Chain Idler Shaft
JD 7751	Grease Gun (Alemite No. 6556)	H 2515 H	Shield for Conveyor Chain Drive Shaft
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610)	H 2516 H	Conveyor Idler Shaft
JD 7774	Alemite Fitting, 1/4" Pipe Thread, Elbow 67-1/2° (Alemite No. 1629)	H 2517 H	Conveyor Chain Drive Shaft
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614)	H 2518 H	Drive Shaft in Gear Bracket on Carrier
JD 7778	Alemite Fitting, 1/8" Pipe Thread, Elbow 30° (Alemite No. 1611)	H 2519 H	Stiffener for R. H. End of Side Sills and Support for Tightener Bolt Brackets
JD 7781	Alemite Fitting, 1/8" Pipe Thread, Elbow 90° (Alemite No. 1613)	H 2521 H	Bracket, Rear, for Conveyor Chain Tightener Bolt
JD 7793	Alemite Fitting, 5/32" Drive, Elbow 67-1/2° (Alemite No. 1353) (No Cut)	H 2522 H	Conveyor Chain Tightener Bolt (2 used)
Z 5427 H	Fender Stick Bracket	H 2525 H	Side Support Angle, Front (3 used)
POWER BUNDLE CARRIER		H 2526 H	Side Support Angle, Rear (4 used)
55	Link for Conveyor Chain	H 2531 H	Trunnion for Clutch Shifter Lever on Tractor Hitch
55A1L	Attachment Link, L. H., for Conveyor Chain	H 2551 H	Bracket, Front, for Idler Shaft Shield Rod
55A1R	Attachment Link, R. H., for Conveyor Chain	H 2553 H	Support Beam Hook
AH 829 H	Clutch Shaft	H 2554 H	Clip on Bundle Carrier Bottom for Sides (6 used)
AH 830 H	Conveyor Idler Shaft Shield, Complete with Rod	H 2555 H	Shield, Pan to Conveyor Chain
AH 832 H	Bundle Carrier Bottom, Complete with Sides and Sills (No Cut)	H 2556 H	Pin for Universal Joint (4 used)
AH 835 H	Carrier Side, Front (No Cut)	H 2566 H	Clutch Shifter Lever on Tractor Hitch
AH 836 H	Carrier Side, Rear (No Cut)	H 2567 H	Support for Drive Gear Housing on Main Frame
AH 1380 H	Conveyor Chain Slat with Attachment Link (12 used)	H 2575 H	Slip Clutch Spring for Bundle Carrier Drive Shaft
AH 1381 H	Conveyor Chain, Complete with Slats (No Cut)		

For Cuts of Repair Parts, see pages 80 and 81.

Cat. No.	Description	Cat. No.	Description
	POWER BUNDLE CARRIER—Continued	AH 1511 H	Crossbar on Tilting Lever Ratchet for Lever (No Cut)
H 2577 H	Chain Tightener Bracket for Bundle Carrier Drive Chain	AH 1518 H	Hitch Side Tube, R. H. (No Cut)
H 2583 H	Clutch Shifter Throw-Out Rod from Bell Crank to Fork	B 4644 H	Eyebolt for Upper End of Tilting Rack Spring
H 2586 H	Stud in Bell Crank Support for Throw-Out Bell Crank (2 used)	H 2456 H	Bracket for L. H. Tractor Hitch Side Connection
H 2587 H	Clutch Shifter Rod	H 2471 H	Trunnion in Tractor Hitch Side for Tongue Connection (2 used)
H 2593 H	Clutch Throw-Out Rod, Front, on Tractor Hitch	H 2684 H	Round Brace, Middle, for Tilting Pipe Upright Angle
H 2594 H	Clutch Throw-Out Rod, Rear, on Tractor Hitch	H 3020 H	Connection for Tractor Hitch Side Tube, L. H.
H 2701 H	Bundle Carrier Sill, Front (No Cut)	H 3031 H	Adjusting Plate for Hitch Side Tubes (2 used)
H 2702 H	Bundle Carrier Sill, Rear (No Cut)	H 3032 H	Cross Angle for Rear End of Hitch Side Tubes
H 2723 H	Support Beam	H 3041 H	Tilting Lever, Front
H 2724 H	Bracket for Support Beam on Rear Bundle Carrier Side	H 3046 H	Round Brace, Front, for Tilting Pipe Upright Angle
H 2725 H	Bundle Carrier Inner Support Stud (Goes to Main Frame)	H 3047 H	Tilting Lever Ratchet
H 2726 H	Support for L. H. End of Carrier and Front Bracket for Conveyor Chain Tightener Bolt	H 3048 H	Rear Support for Tilting Lever Ratchet (2 used)
H 2737 H	Throat Side Connection	H 3049 H	Adjusting Bar for Tilting Lever
H 2835 H	Shield under Carrier Bottom for Support Bar (No Cut)	H 3050 H	Tilting Pipe
H 2836 H	Carrier Bottom (No Cut)	H 3051 H	Bracket Upper for Tilting Spring
H 2852 H	Support Bar for Clutch Shifter Fork	H 3055 H	Brace Angle from Tilting Pipe Upright Angle to Main Frame
H 2853 H	Bundle Carrier Clutch Throw-Out Bell Crank	HZ 5979 H	Washer on Stud for Crossbar on Tilting Lever Ratchet for Lever 1-3/8" x 21/32"
H 2854 H	Bell Crank Support on R. H. Wheel Raising Crank Support Angle	J 509 H	Tilting Lever Plunger Box
H 2858 H	Clutch Shifter Rod Support on Tilting Lever	J 5473 H	Tilting Lever Plunger
H 2922 H	Bundle Carrier Drive Chain (18 Links, No. 62 Steel) (No Cut)	K 5653 H	Eyebolt for Lower End of Tilting Rack Spring
H 2969 H	Adjusting Bolt for Clutch Throw-Out Bell Crank (No Cut)	K 5655 H	Loop in Ends of Tilting Rack Spring (2 used)
H 4183 H	Conveyor Idler Shaft Shield Rod Bracket, Rear	P 2582 H	Spade Handle for Tilting Lever
H 4222 H	Pin or Drive Staple in Clutch Shaft	P 2810 H	Tilting Lever Detent Rod Handle
H 5048 H	Washer for Bevel Gears in Gear Case, 2-1/16" x 1-17/32"	Z 210 H	Horned Nut for Stud on Crossbar on Tilting Lever Ratchet for Lever
HZ 5180 H	Washer on Conveyor Chain Drive Shaft between Bevel Gear and Bracket, 1-5/16" x 25/32"	Z 6375 H	Bolt for Tractor Hitch Clevis
HZ 5181 H	Washer on Idler Shaft between H525H and Cotter, 1-1/16" x 21/32"	Z 7952 H	Detent Rod for Tilting Lever (2 used)
J 103 H	Chain Tightener Pulley for Bundle Carrier Drive Chain		POWER DRIVE
J 6909 H	Clamps for Clutch Throw-Out Rod on Tractor Hitch (4 used)	AH 1401 H	Telescoping Shield, Rear, on Tractor Hitch (No Cut)
K 350 H	Turnbuckle for Clutch Throw-Out Rod	AH 1408 H	Power Shaft Rear, Complete
P 10004 H	Coupler Link for No. 55 Steel Chain	AH 1409 H	Telescoping Shield, Front, on Tractor Hitch
P 20271 H	Cottered Pin for No. 55 Steel Chain Coupler Link	AH 1435 H	Rear Shield on Power Shaft (No Cut)
Z 5443 H	Pin through Clutch Shifter and Rod (1/2" x 1-3/4") (No Cut)	AH 1481 H	Telescoping Shaft for Power Drive on Tractor Hitch (No Cut)
	TRACTOR HITCH AND TILTING LEVER	AP 13741 H	Hinge Bracket, Upper, for Bearing on Front End of Power Shaft
54S	Tilting Lever Detent Spring	AP 14228 H	Telescoping Pipe for Power Drive on Tractor Hitch (Blood Bros.)
AH 990 H	Tilting Spring	B 454 H	Power Shaft Roller Bearing Box, Front, on Main Frame
AH 1403 H	Hitch Side Tube, L. H.	B 455 H	Bracket for Power Shaft Roller Bearing Box, Front, on Main Frame
AH 1404 H	Clevis for Rear End of Side Tubes (2 used)	B 471 H	Rear Box for Front Power Shaft
AH 1405 H	Upright Angle on Main Frame for Tilting Pipe	B 472 H	Box Ends for Front Box on Front Power Shaft (2 used)
AH 1406 H	Tilting Lever, Rear	B 478 H	Roller Bearing Retainer for Power Shaft Front Box on Main Frame (2 used)
		B 592 H	Rear Slip Clutch Retainer and Thrust Collar

REPAIR LIST FOR JOHN DEERE POWER DRIVEN CORN BINDER

Cat. No.	Description	Cat. No.	Description
POWER DRIVE—Continued			
B 636 H	Slip Clutch (2 used)	J 4319 H	Pin, Thrust Collar on Rear End of Rear Power Shaft to Shaft
B 722 H	Slip Clutch Adjusting Nut	J 4328 H	Power Drive Shaft Thrust Ball Bearing (2 used)
B 726 H	Roller Drive Sprocket on Rear Power Shaft (16 Teeth)	JD 7160 H	Ball Bearing on Front End of Power Shaft (New Departure No. 88506)
B 5234 H	Roller Chain Link, 3/4" Pitch	JD 7462 R	Sleeve for JD7512R Power Shaft Roller Bearing (Hyatt No. 4450) (3 used)
B 5235 H	Roller Chain Connection Link, 3/4" Pitch	JD 7512 R	Power Shaft Roller Bearing, Complete (less Sleeve) (Hyatt No. 16845) (Sleeve JD7462R) (3 used)
B 5321 H	Roller Chain Offset End Link, 3/4" Pitch	P 2992 H	Box for Roller Bearing on Front of Power Shaft (Bearing JD7160H)
B 5423 H	U-Bolt for Power Drive Shaft Box, Front, on Main Frame	P 26097 H	Snap Ring for New Departure Bearing on Front End of Power Shaft (2 used)
B 5479 H	Retainer for Front Power Shaft Rear Box	P 27247 H	Pivot Shaft for Power Shaft Front Bearing Box
B 5641 H	Setscrew for Power Drive Box Ends (1/4" x 3/4")	P 29360 H	Pin for 3/4" Pitch Chain Offset End Link
B 5977 H	Slip Clutch Washer at End of Spring (2 used) (2" x 2-7/8")	P 31568 H	Lock Plate for Cover Plate Cap Screws in Universal Joint (Blood Bros. No. 3DS9)
B 6091 H	Slip Clutch Spring	P 31570 H	Cover Plate for Universal Joint on Power Shaft (Blood Bros. No. 3DS8)
B 7525 H	Pin, B592H to Power Shaft	P 31571 H	Bushing for Universal Joint Connection (Blood Bros. No. 3DS4)
B 8046 H	Pivot Plate on Front End of Rear Shield on Power Shaft	P 31572 H	Universal Joint Connection (Blood Bros. No. 3DS1)
B 8050 H	Attaching Bracket for Telescoping Shields on Tractor Hitch (2 used)	P 31573 H	Retainer for Universal Joint Grease Washer (Blood Bros. No. 3DS2)
B 8054 H	Spring Bolt for Telescoping Shield on Tractor Hitch (2 used)	P 31574 H	Grease Washer for Universal Joints (Cork) (Blood Bros. No. 3DS3)
B 8742 H	Felt Washer for Bearing Boxes	P 31577 H	Splined Universal Joint End on Shaft in Gear Housing (1-1/8" Splined) (Blood Bros. No. 3DSYS18-3)
E 2666 H	Spring for Telescoping Shield on Tractor Hitch (2 used)	P 32175 H	Lock Plate for Cap Screw in Power Shaft Front Bearing Box Pivot Shaft (2 used)
H 2474 H	Box Support for Rear Box on Front Power Shaft	P 32733 H	Hinge Bracket, Lower, for Bearing on Front End of Power Shaft
H 2500 H	Box Bracket for Rear Power Shaft Rear Box	P 32734 H	Support Strap, R. H., for Power Shaft Front Bearing Box Hinge Bracket
H 2535 H	Brace, Rear Power Shaft Front Box Support Angle to Main Frame Front Channel	P 32840 H	Bolt in Hinge Bracket, Upper, for Bearing on Front End of Tractor Hitch
H 2713 H	Brace, Rear Power Shaft Rear Box Support to Main Frame	P 32937 H	Lock Washer for Cap Screw in Universal Joint on Front End of Telescoping Pipe
H 3034 H	Support Strap, L. H., for Power Shaft Front Bearing Box Hinge Bracket	P 32938 H	Washer on Cap Screw for Universal Joint on Front End of Telescoping Pipe
H 3035 H	Support Angle for Rear Power Shaft Front Box	P 36233 H	Cap Screw for Universal Joint on Front End of Telescoping Pipe
H 3036 H	Pivot Shaft for Power Shaft Front Bearing Box Lower Hinge Bracket (No Cut)		
H 3038 H	Front Bracket, R. H., for Rear Shield on Power Shaft		
H 3039 H	Front Bracket, L. H., for Rear Shield on Power Shaft		
H 3113 H	Support Bolt for Rear End of Rear Power Shaft Shield		

For Cuts of Repair Parts, see page 82.

Cat. No.	DESCRIPTION	D	Styled D	G. P. Reg.	G. P. W. T.	A and B	AR, AO and BR	G and GM	H
HOOK-UP EQUIPMENT FOR JOHN DEERE TRACTORS									
EXTENSION DRAWBAR									
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*	*	*	*	*	*
B 5838 H	Lock Washer for 3/4" Bolt.....	*	*	*	*	*	*	*	*
J 4272 H	Drawbar Clevis.....				*				
P 24203 H	Clamp for Extension Drawbar.....					*	*	*	*
P 24590 H	Extension Drawbar.....	*							
P 24591 H	Plate, R. H., for Drawbar on Tractor....	*	*						
P 24592 H	Plate, L. H., for Drawbar on Tractor....	*	*						
P 24664 H	Extension Drawbar.....						*		
P 24665 H	Bracket on Tractor for Front End of Ex- tension Drawbar.....						*		
P 24666 H	Plate on Rear End of Extension Drawbar						*		
P 24673 H	Extension Drawbar.....			*					
P 24679 H	Extension Drawbar.....				*				
P 24681 H	Plate for Drawbar on Tractor (2 used)...			*					
P 26659 H	Extension Drawbar.....		*						
Z 6427 H	Cap Screw for Brace to Tractor Axle Housing.....					*			
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION									
AP 12018 H	Connecting Shield from Tractor to Shield on Tractor Hitch.....	*	*			*		*	*
AP 12413 H	Shield over Front End of Power Shaft...	*	*			*		*	*
AP 12516 H	Shield over Front End of Power Shaft (No Cut).....			*	*		*		
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch (No Cut).....	*	*	*	*	*	*	*	*
B 471 H	Power Shaft Roller Bearing Box.....			*	*				
B 478 H	Roller Bearing Retainer for Roller Bear- ing Box (2 used).....			*	*				
B 4301 H	Lock Washer for 1/4" Bolt.....	*	*	*	*	*	*	*	*
B 5479 H	Retainer for Power Shaft Roller Bearing Box.....			*	*				
B 8046 H	Pivot Plate on Front End of Power Shaft Shield on Front of Tractor Hitch.....	*	*			*		*	*
B 8050 H	Latch for Shield from Tractor to Tractor Hitch (2 used).....	*	*			*		*	*
B 8054 H	Latch Bolt for Shield from Tractor to Tractor Hitch.....	*	*			*		*	*
B 8742 H	Felt Washer for Roller Bearing Box.....			*	*				
E 2666 H	Spring on Latch Bolt for Shield from Tractor to Tractor Hitch (2 used).....	*	*			*		*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*	*	*	*	*	*
J 4277 H	Stiffener, Front, for Power Shaft Shield on Tractor.....				*				
JD 7462 R	Sleeve for JD7512H Roller Bearing (Hyatt No. 4450).....			*	*				
JD 7512 R	Roller Bearing, Complete (Hyatt No. 16845) (Sleeve JD7462H).....			*	*				
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*	*	*	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, El- bow 67-1/2° (Alemite No. 1612).....	*	*	*	*	*	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*	*	*	*	*	*
P 24651 H	Support, Rear, for Shield on Tractor....			*	*				
P 24676 H	Power Shaft Shield on Tractor.....			*					

For Cuts of Repair Parts, see pages 82 and 83.

REPAIR LIST FOR JOHN DEERE POWER DRIVEN CORN BINDER

Cat. No.	DESCRIPTION	D	Styled D	G. P. Reg.	G. P. W. T.	A and B	AR, AO and BR	G and GM	H
HOOK-UP EQUIPMENT FOR JOHN DEERE TRACTORS —Continued									
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION —Continued									
P 24678 H	Bracket for Power Shaft Box.....			*	*				
P 24680 H	Bracket for Power Shaft Box.....				*				
P 24682 H	Support, Front, for Shield on Tractor...				*				
P 28118 H	Extension for Power Take-Off Shaft on Tractor.....			*					
P 28119 H	Extension for Power Take-Off Shaft on Tractor.....				*				
P 29747 H	Shield on Tractor.....				*				
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*	*	*	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*	*	*	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*	*	*	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*	*	*	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*	*	*	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*	*	*	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used).....	*	*	*	*	*	*	*	*
P 31574 H	Grease Washer for Universal Joints (Cork) (8 used).....	*	*	*	*	*	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined) (Model "A" Tractors Serial No. 488,000 and Up).....	*	*			*			
P 31577 H	Universal Joint End (1-1/8" Splined) (Model "A" Tractors Up to Serial No. 488,000).....			*	*	*	*	*	*
P 31578 H	Universal Joint End (1-3/4" Splined).....							*	
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.....	*	*	*	*	*	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*	*	*	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*	*	*	*	*	*

Cat. No.	DESCRIPTION	H	F-12 and F-14	F-20	Reg.
HOOK-UP EQUIPMENT FOR I. H. C. SMALL TRACTORS					
EXTENSION DRAWBAR AND TRACTOR HITCH EXTENSION					
AP 12717 H	Extension Drawbar.....		*	*	*
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*	*
B 5838 H	Lock Washer for 3/4" Bolt.....	*	*	*	*
P 30470 H	Extension Drawbar.....	*			
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION					
AP 12018 H	Connecting Shield from Tractor to Tractor Hitch.....	*			
AP 12413 H	Shield over Front End of Power Shaft.....	*			
AP 12516 H	Shield over Front End of Power Shaft (No Cut).....	*	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch.....	*	*	*	*
AZ 2189 H	Power Shaft Shield on Tractor.....		*		

For Cuts of Repair Parts, see pages 82 and 83.

Cat. No.	DESCRIPTION	H	F-12 and F-14	F-20	Reg.
HOOK-UP EQUIPMENT FOR I. H. C. SMALL TRACTORS—Continued					
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION—Continued					
B 478 H	Box Ends for Take-Off Shaft Bearing Box (2 used).....			*	*
B 488 H	Roller Bearing Box for Take-Off Shaft Extension.....			*	*
B 4301 H	Lock Washer for 1/4" Bolt.....	*	*	*	*
B 8046 H	Pivot Plate on Front End of Power Shaft Shield on Front of Tractor Hitch.....	*			
B 8050 H	Latch for Shield from Tractor to Tractor Hitch.....	*			
B 8054 H	Latch Bolt for Shield from Tractor to Tractor Hitch.....	*			
B 8742 H	Felt Washer for Take-Off Shaft Extension Box Ends (2 used).....			*	*
E 2666 H	Spring on Latch Bolt for Shield from Tractor to Tractor Hitch.....	*			
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*	*
J 290 H	Drive Sleeve on Tractor Take-Off Shaft.....		*		
JD 7462 R	Outer Sleeve for JD7512H Bearing (Hyatt No. 4450).....			*	*
JD 7512 R	Hyatt Roller Bearing, Complete for Power Shaft Extension (less Sleeve) (Sleeve JD7462H) (Hyatt No. 16845).....			*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Alemite No. 1612)....	*	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*	*
P 24650 H	Support, Front, for Shield on Tractor.....			*	*
P 27869 H	Extension for Take-Off Shaft on Tractor.....			*	*
P 27956 H	Extension for Take-Off Shaft on Tractor.....		*		
P 28502 H	Round Brace, R. H., from Bearing Box Bracket to Tractor Axle Housing.....			*	*
P 28503 H	Round Brace, L. H., from Bearing Box Bracket to Tractor Axle Housing.....			*	*
P 29552 H	Flat Bracket on Bearing Box Support Bracket for Round Braces.....			*	*
P 29553 H	Support, Rear, for Shield on Tractor.....			*	*
P 29554 H	Support Strap for Take-Off Shaft Bearing Box (2 used).....			*	*
P 29734 H	Power Shaft Shield on Tractor.....			*	*
P 29735 H	Bearing Box Bracket on Tractor Drawbar.....			*	*
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used).....	*	*	*	*
P 31574 H	Grease Washer for Universal Joint (Cork) (8 used).....	*	*	*	*
P 31577 H	Universal Joint End (1-1/8" Splined).....	*	*	*	*
P 32876 H	Universal Joint End of Front End of Shaft on Tractor Hitch.....	*	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*	*
Z 7254 H	Stiffener Angle for Power Shaft Shield on Tractor.....		*		
Z 7414 H	Support Angle for Power Shaft Shield on Tractor.....		*		

Cat. No.	DESCRIPTION	M	F-30	W-30	10-20	15-30
HOOK-UP EQUIPMENT FOR I. H. C. LARGE TRACTORS						
EXTENSION DRAWBAR AND TRACTOR HITCH EXTENSION						
AP 12717 H	Extension Drawbar.....	*	*	*	*	*
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*	*	*
B 5838 H	Lock Washer for 3/4" Bolt.....	*	*	*	*	*
P 30232 H	Extension Drawbar.....	*				

For Cuts of Repair Parts, see pages 82 and 83.

REPAIR LIST FOR JOHN DEERE POWER DRIVEN CORN BINDER

Cat. No.	DESCRIPTION	M	F-30	W-30	10-20	15-30
HOOK-UP EQUIPMENT FOR I. H. C. LARGE TRACTORS—Continued						
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION						
AP 12018 H	Connecting Shield from Tractor to Shield on Tractor Hitch.....	*				
AP 12413 H	Shield over Front End of Power Shaft.....	*				
AP 12516 H	Shield over Front End of Power Shaft (No Cut).....	*	*	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch.....	*	*	*	*	*
B 478 H	Roller Bearing Retainer for Bearing Box.....	*	*			
B 488 H	Roller Bearing Box for Take-Off Shaft Extension.....	*	*			
B 4301 H	Lock Washer for 1/4" Bolt.....	*	*	*	*	*
B 8742 H	Felt Washer for Roller Bearing Box.....	*	*	*	*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*	*	*
JD 7462 R	Sleeve for JD7512R Extension Shaft Roller Bearing (Hyatt No. 4450).....		*			
JD 7512 R	Hyatt Roller Bearing, Complete in Extension Shaft Box on Tractor (Sleeve JD7462R) (Hyatt No. 16845).....	*	*	*	*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Alemite No. 1612).....	*	*	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*	*	*
P 15579 H	Extension for Power Take-Off Shaft.....			*	*	*
P 22530 H	Shield for Power Drive on Tractor.....			*	*	*
P 22531 H	Support, Front, for Shield on Tractor (2 used).....			*	*	*
P 22532 H	Support, Rear, for Shield on Tractor.....			*	*	*
P 24650 H	Support, Front, for Shield on Tractor.....		*			
P 27869 H	Extension for Take-Off Shaft on Tractor.....		*			
P 28502 H	Round Brace, R. H., from Bearing Box Bracket to Tractor Axle Housing.....		*			
P 28503 H	Round Brace, L. H., from Bearing Box Bracket to Tractor Axle Housing.....		*			
P 29552 H	Flat Bracket on Bearing Box Support Bracket for Round Braces.....		*			
P 29553 H	Support, Rear, for Shield on Tractor.....		*			
P 29554 H	Support Strap for Take-Off Shaft Bearing Box (2 used).....		*			
P 29734 H	Power Shaft Shield on Tractor.....		*			
P 29735 H	Bearing Box Bracket on Tractor Drawbar.....		*			
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used).....	*	*	*	*	*
P 31574 H	Grease Washer for Universal Joint (Cork) (8 used).....	*	*	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined).....	*	*	*		
P 31577 H	Universal Joint End (1-1/8" Splined).....	*	*	*	*	*
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.....	*	*	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*	*	*

For Cuts of Repair Parts, see pages 82 and 83.

Cat. No.	DESCRIPTION	RC	C	L	CC and DC	SC	VC
HOOK-UP EQUIPMENT FOR CASE TRACTORS							
EXTENSION DRAWBAR							
AZ 2913 H	Support Angle, R. H., for Extension Drawbar.....						*
AZ 2914 H	Support Angle, L. H., for Extension Drawbar.....						*
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*	*	*	*
B 5838 H	Lock Washer for 3/4" Bolt.....	*	*	*	*	*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*	*	*	*
P 24203 H	Clamp for Extension Drawbar.....	*	*		*		*
P 24672 H	Extension Drawbar.....	*	*		*		
P 35183 H	Extension Drawbar.....						*
P 35259 H	Clamp for Extension Drawbar.....					*	
Z 8672 H	Round Brace for Drawbar Support Angles (2 used)....						*
Z 8673 H	Cross Angle on Rear End of Extension Drawbar Support Angles.....						*
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION							
AP 12018 H	Connecting Shield from Tractor to Shield on Tractor Hitch	*	*	*	*	*	*
AP 12413 H	Shield over Front End of Power Shaft.....	*	*	*	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch.....	*	*	*	*	*	*
B 4301 H	Lock Washer for 1/4" Bolt.....	*	*	*	*	*	*
B 8043 H	Rear Support, R. H., for Power Shaft Shield on Front of Tractor Hitch.....						*
B 8046 H	Pivot Plate on Front End of Power Shaft Shield on Front of Tractor Hitch.....	*	*	*	*	*	*
B 8050 H	Latch for Telescoping Shield from Tractor to Tractor Hitch (2 used).....	*	*	*	*	*	*
B 8051 H	Rear Support, L. H., for Power Shaft Shield on Front of Tractor Hitch.....						*
B 8054 H	Latch Bolt for Telescoping Shield from Tractor to Trac tor Hitch.....	*	*	*	*	*	*
E 2666 H	Spring on Latch Bolt for Telescoping Shield from Trac tor to Tractor Hitch (2 used).....	*	*	*	*	*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Ale mite No. 1612).....	*	*	*	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*	*	*	*
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint	*	*	*	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut)....	*	*	*	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*	*	*	*
P 31572 H	Universal Joint Connection.....	*	*	*	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used)....	*	*	*	*	*	*
P 31574 H	Grease Washer for Universal Joints (Cork) (8 used).....	*	*	*	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined).....	*	*	*	*		*
P 31577 H	Universal Joint End (1-1/8" Splined).....	*				*	*
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.	*	*	*	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*	*	*	*

For Cuts of Repair Parts, see pages 82 and 83.

Cat. No.	DESCRIPTION	Oliver Row- Crop	Oliver 70	Oliver 60
HOOK-UP EQUIPMENT FOR OLIVER TRACTORS				
EXTENSION DRAWBAR				
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*
P 24725 H	Extension Drawbar.....	*	*	*
P 28137 H	Extension Drawbar.....	*	*	*
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS AND SHIELDS				
AP 12018 H	Connecting Shield from Tractor to Shield on Tractor Hitch.....	*	*	*
AP 12413 H	Shield over Front End of Power Shaft.....	*	*	*
AP 12516 H	Shield over Front End of Power Shaft (No Cut).....	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch (No Cut).....	*	*	*
B 8046 H	Pivot Plate on Front End of Power Shaft Shield on Front of Tractor Hitch.....	*	*	*
B 8050 H	Latch for Telescoping Shield from Tractor to Tractor Hitch (2 used).....	*	*	*
B 8054 H	Latch Bolt for Telescoping Shield from Tractor to Tractor Hitch.....	*	*	*
B 8069 H	Extension for Shield on Tractor (No Cut).....	*	*	*
B 8070 H	Reinforcing for Power Shaft Shield Extension on Tractor (No Cut).....	*	*	*
E 196 H	Drive Shaft on Power Take-Off Shaft (No Cut).....	*	*	*
E 2666 H	Spring on Latch Bolt for Telescoping Shield from Tractor to Tractor Hitch (2 used).....	*	*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Alemite No. 1612).....	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*
P 27956 H	Extension for Power Take-Off Shaft on Tractor (No Cut).....	*	*	*
P 28138 H	Power Shaft Front Bearing Box Support Strap (2 used).....	*	*	*
P 28139 H	Diagonal Brace for Bearing Box Support Straps.....	*	*	*
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used).....	*	*	*
P 31574 H	Grease Washer for Universal Joints (Cork) (8 used).....	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined).....	*	*	*
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.....	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*

Cat. No.	DESCRIPTION	KT and KTA, MT and MTA	ZTN and ZTU, JTN and JTU	RTU and RTN	UTU and UTN
HOOK-UP EQUIPMENT FOR MINNEAPOLIS-MOLINE TRACTORS					
EXTENSION DRAWBAR					
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*	*
P 24708 H	Extension Drawbar.....	*	*	*	*
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS AND SHIELDS					
AP 12018 H	Connecting Shield from Tractor to Shield on Tractor Hitch.....	*	*	*	*
AP 12413 H	Shield over Front End of Power Shaft.....	*	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch.....	*	*	*	*
B 8046 H	Pivot Plate on Front End of Power Shaft Shield on Front of Tractor Hitch.....	*	*	*	*
B 8050 H	Latch for Telescoping Shield from Tractor to Tractor Hitch (2 used)....	*	*	*	*
B 8054 H	Latch Bolt for Telescoping Shield from Tractor to Tractor Hitch.....	*	*	*	*
E 2666 H	Spring on Latch Bolt for Telescoping Shield from Tractor to Tractor Hitch (2 used).....	*	*	*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Alemite No. 1612)....	*	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*	*
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*	*

For Cuts of Repair Parts, see pages 82 and 83.

Cat. No.	DESCRIPTION	KT and KTA, MT and MTA	ZTN and ZTU, JTN and JTU	RTU and RTN	UTU and UTN
HOOK-UP EQUIPMENT FOR MINNEAPOLIS-MOLINE TRACTORS—Continued					
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS AND SHIELDS—Continued					
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used).....	*	*	*	*
P 31574 H	Grease Washer for Universal Joints (Cork) (8 used).....	*	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined).....	*	*	*	*
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.....	*	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*	*

Cat. No.	DESCRIPTION	Allis- Chal- mers WC and RC	C	Massey- Harris 101S-Jr. 101S-Sr. 101R-Jr. 101R-Sr.
HOOK-UP EQUIPMENT FOR ALLIS-CHALMERS AND MASSEY-HARRIS TRACTORS				
EXTENSION DRAWBAR				
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*
B 5838 H	Lock Washer for 3/4" Bolt.....	*	*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*
P 30470 H	Extension Drawbar.....			*
P 35261 H	Extension Drawbar.....		*	
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS, SHIELDS AND POWER SHAFT EXTENSION				
AP 12018 H	Connecting Shield from Tractor to Shield on Tractor Hitch.....	*	*	*
AP 12413 H	Shield over Front End of Power Shaft.....	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch.....	*	*	*
B 4301 H	Lock Washer for 1/4" Bolt.....	*	*	*
B 8046 H	Pivot Plate on Front End of Power Shaft Shield on Front of Tractor Hitch.....	*	*	*
B 8050 H	Latch for Shield from Tractor to Tractor Hitch.....	*	*	*
B 8054 H	Latch Bolt for Shield from Tractor to Tractor Hitch.....	*	*	*
E 2666 H	Spring on Latch Bolt for Shield from Tractor to Tractor Hitch.....	*	*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Alemite No. 1612).....	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer (8 used).....	*	*	*
P 31574 H	Grease Washer for Universal Joint (Cork) (8 used).....	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined).....	*		*
P 31577 H	Universal Joint End (1-1/8" Splined).....		*	
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.....	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*

Cat. No.	DESCRIPTION	22	D-2	28
HOOK-UP EQUIPMENT FOR "CATERPILLAR" TRACTORS				
EXTENSION DRAWBAR				
B 4300 H	Lock Washer for 5/8" Bolt.....	*	*	*
B 5838 H	Lock Washer for 3/4" Bolt.....	*	*	*
P 6118 H	Lock Washer for 1" Bolt.....	*	*	*
P 28413 H	Extension Drawbar.....		*	
P 28414 H	Clamp for Extension Drawbar.....		*	
Z 7434 H	Filler for Bolt Hole in Drawbar (6G Tractors).....			*
SQUARE SHAFT AND SLEEVE, UNIVERSAL JOINTS AND SHIELDS				
AP 12516 H	Shield over Front End of Power Shaft (No Cut).....	*	*	*
AP 16214 H	Tubular Shaft, Tractor to Tractor Hitch.....	*	*	*
B 4301 H	Lock Washer for 1/4" Bolt.....	*	*	*
HZ 6363 H	Lock Washer for 3/8" Bolt.....	*	*	*
JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610).....	*	*	*
JD 7760	Alemite Fitting, 1/8" Pipe Thread, Elbow 67-1/2° (Alemite No. 1612).....	*	*	*
JD 7777	Alemite Fitting, 1/8" Pipe Thread, Elbow 105° (Alemite No. 1614).....	*	*	*
P 30062 H	Bracket for Front End of Telescoping Shield on Tractor Hitch.....	*	*	*
P 31568 H	Lock Plate for Cover Plate Cap Screw on Universal Joint.....	*	*	*
P 31569 H	Cap Screw for Universal Joint Cover Plate (No Cut).....	*	*	*
P 31570 H	Cover Plate for Universal Joint.....	*	*	*
P 31571 H	Bushing for Universal Joint Connection (8 used).....	*	*	*
P 31572 H	Universal Joint Connection (2 used).....	*	*	*
P 31573 H	Retainer for Universal Joint Grease Washer.....	*	*	*
P 31574 H	Grease Washer for Universal Joint (Cork) (8 used).....	*	*	*
P 31576 H	Universal Joint End (1-3/8" Splined).....	*	*	*
P 32876 H	Universal Joint on Front End of Shaft on Tractor Hitch.....	*	*	*
Z 5314 H	Lock Washer for 1/2" Bolt.....	*	*	*
Z 5578 H	Lock Washer for 7/16" Bolt.....	*	*	*

For Cuts of Repair Parts, see pages 82 and 83.

Cat. No.	Description	Cat. No.	Description
BUNDLE ELEVATOR			
No. 45	Steel Link for Conveyor Chain	H 2361 H	Parallel Rod (2 used)
62	Steel Chain Link for Drive Chain	H 2364 H	Square Drive Shaft on Elevator
No. 699 A	Pin in Axle (No Cut)	H 2368 H	Brace, Parallel Rod Bar, Inner on Main Frame
45A1R	Steel Attachment Link, R. H., for Conveyor Chain	H 2370 H	Sideboard Extension, Front (No Cut)
45A1L	Steel Attachment Link, L. H., for Conveyor Chain	H 2372 H	Swivel Support Brace
AH 754 H	Elevator End Shield with Brace (No Cut)	H 2373 H	Idler Shaft Shield Stop on Front Support
AH 829 H	Clutch Shaft	H 2374 H	Elevator End Shield Brace
AH 869 H	Conveyor Chain, Complete with Slats (No Cut)	H 2487 H	Shield for Gear Bracket on Outer End of Carrier
AH 954 H	Swivel (T-Shaped)	H 2514 H	Idler Shaft Shield with End Clip
AH 961 H	Caster Wheel Axle	H 2531 H	Trunnion for Clutch Shifter Lever on Tractor Hitch
AZ 2016 H	Axle for Pneumatic Tire Caster Wheel (Special)	H 2566 H	Clutch Shifter Lever on Tractor Hitch
AZ 2020 H	Roller Bearing, Complete for Pneumatic Tire Caster Wheel (Special)	H 2567 H	Support for Drive Gear Housing on Main Frame
B 272 H	Swivel Casting in Clutch Shifter for Rod to Bell Crank	H 2575 H	Slip Clutch Spring for Bundle Carrier Drive Shaft
B 743 H	Stud for Bundle Carrier Drive Chain Tightener Sprocket	H 2577 H	Chain Tightener Bracket for Bundle Carrier Drive Chain
B 6450 H	Pipe Trunnion in Bar on Main Frame for Drag Pipe Connection (Special when R. H. Main Wheel is Set Out 16-1/2")	H 2583 H	Clutch Shifter and Throw-Out Rod from Bell Crank to Fork
E 2287 H	Felt Washer for Inner Hub on Pneumatic Tire Caster Wheel (2 used) (Special)	H 2586 H	Stud in Bell Crank Support for Throw-Out Bell Crank (2 used)
H 251 H	Wheel Adjusting Washer, Outer	H 2587 H	Clutch Shifter Rod
H 271 H	Axle Washer, Inner	H 2593 H	Clutch Throw-Out Rod, Front, on Tractor Hitch
H 278 H	Drag Pipe Trunnion (2 used)	H 2594 H	Clutch Throw-Out Rod, Rear, on Tractor Hitch
H 289 H	Elevator Support Angle Trunnion	H 2595 H	Elevator Lower Support, Front, with Stud
H 545 H	Slip Clutch	H 2596 H	Elevator Lower Support, Rear
H 548 H	Clutch Shifter	H 2597 H	Elevator Side Center Plate, Front
H 560 H	Adjusting Collar on Clutch Shaft	H 2598 H	Conveyor Chain Drive Shaft
H 646 H	Caster Wheel Axle Bracket	H 2599 H	Conveyor Chain Idler Shaft
H 667 H	Conveyor Idler Sprocket and Chain Guide Sprocket (6 used)	H 2600 H	Upper Drive Shaft Box Plate, Rear
H 671 H	Gear Bracket on Elevator	H 2602 H	Upper Drive Shaft on Elevator (Round)
H 674 H	Drive Gear Housing	H 2603 H	Conveyor Chain Drive Shaft Shield (No Cut)
H 675 H	Front Drive Shaft Front Bearing Box and Vertical Shaft Box, Lower (2 used)	H 2604 H	Elevator Main Sill, Front (13/16" x 4-1/2" x 144") (No Cut)
H 684 H	Universal Joint for Round Shaft on Elevator and Drive Shaft on Binder (2 used)	H 2605 H	Elevator Main Sill, Rear (13/16" x 4-1/2" x 144") (No Cut)
H 685 H	Universal Joint, Outer, for Square Shaft	H 2606 H	Top Chain Guide, Front, Lower (No Cut)
H 686 H	Universal Joint, Inner, R. H.	H 2607 H	Top Chain Guide, Rear, Lower (No Cut)
H 687 H	Universal Joint Connection	H 2608 H	Top Chain Guide, Front, Upper (No Cut)
H 690 H	Conveyor Chain Drive Sprocket (2 used)	H 2609 H	Top Chain Guide, Rear, Upper (No Cut)
H 691 H	Spacer Block on Drive Shaft for Shield	H 2610 H	Elevator Support Angle (2 used)
H 693 H	Bundle Carrier Drive Sprocket on Rear Power Shaft	H 2611 H	Elevator Support Angle Brace
H 694 H	Bundle Carrier Driven Sprocket on Front Slip Clutch (8 Teeth)	H 2615 H	Conveyor Chain Tightener Eyebolt (2 used)
H 697 H	Conveyor Chain Drive Shaft Box, Rear	H 2616 H	Bracket, Front, for Conveyor Tightener Eyebolt
H 698 H	Filler Washer on Conveyor Chain Drive Shaft	H 2617 H	Bracket, Rear, for Conveyor Tightener Eyebolt
H 711 H	Bevel Gear in Gear Bracket on Carrier (17 Teeth)	H 2618 H	Platform Board Support Angle, Front
H 712 H	Bevel Pinion in Gear Bracket on Carrier (12 Teeth)	H 2619 H	Platform Board Support Angle, Rear
H 713 H	Drive Gear in Gear Housing (17 Teeth)	H 2620 H	Platform Board, L. H. (No Cut)
H 714 H	Bevel Pinion in Gear Housing (12 Teeth)	H 2621 H	Platform Board, Middle (No Cut)
H 779 H	Caster Wheel Axle Bracket (Pneumatic Tire) (Special)	H 2622 H	Platform Board, R. H. (No Cut)
H 2176 H	Drive Shaft, R. H. in Gear Housing on Main Frame	H 2623 H	Bundle Elevator Universal Joint Shield
		H 2624 H	Bracket for L. H. End of Universal Joint Shield
		H 2625 H	U-Bolt for Universal Joint Shield Bracket, L. H.
		H 2673 H	Bracket for Conveyor Chain Drive Sprocket Stud (4 used)

Cat. No.	Description	Cat. No.	Description
BUNDLE ELEVATOR—Continued		H 5085 H	Idler Shaft Shield Support, Front
H 2674 H	Elevator Sideboard Front, Upper (3/8" x 4" x 112-1/2") (No Cut)	H 5087 H	Idler Shaft Shield Support, Rear
H 2699 H	Stud for Conveyor Chain Guide Sprocket (4 used)	H 5091 H	Conveyor Idler Shaft Shield with Rod
H 2814 H	Swivel Support	H 5093 H	Brace, Platform to Parallel Rod Bar
H 2824 H	Elevator Sideboard Brace, Rear, Upper	H 5110 H	Elevator Bottom Boards (3 used) (No Cut)
H 2825 H	Elevator Extension Sideboard (Order for Upper, Middle or Lower and Cut to Length) (No Cut)	H 5111 H	Conveyor Chain Slat Tooth
H 2852 H	Support Bar for Clutch Shifter Fork	H 5113 H	Conveyor Chain Slat, Complete with Tooth and Attachment Link
H 2853 H	Bundle Elevator Clutch Throw-Out Bell Crank	H 5129 H	Clip on Lower End of Elevator Main Sill, Rear
H 2854 H	Bell Crank Support on R. H. Wheel Raising Crank Support Angle	HZ 5180 H	Washer on Ends of Conveyor Chain Drive Shaft (1-5/16" x 25/32")
H 2858 H	Eyebolt Support for Front End of Clutch Shifter Lever	HZ 5181 H	Washer on Conveyor Chain Idler Shaft between Sprocket and Shield End Clips (1-1/16" x 21/32")
H 2877 H	Connection in Front End of Drag Pipe (Special when R. H. Main Wheel is Set Out 16-1/2")	HZ 5443 H	Pin through Clutch Shifter and Rod (5/16" x 1-3/4") (No Cut)
H 2878 H	Angle Brace for Drag Pipe Connection Bar on Main Frame (Special when R. H. Main Wheel is Set Out 16-1/2") (No Cut)	HZ 5446 H	Pin, Conveyor Chain Drive Sprockets to Shaft (1/4" x 1-3/4")
H 2879 H	Parallel Rods (2 used) (Special when R. H. Main Wheel is Set Out 16-1/2")	HZ 5725 H	Pin, Bevel Pinion to Conveyor Chain Drive Shaft (5/16" x 1-1/2")
H 2881 H	Extension for Front End of Drag Pipe	J 3525 H	Pin, Pneumatic Tire Caster Wheel to Axle (3/8" x 2-1/4") (Special)
H 2897 H	Brace from Operator's Platform to Hand Rail	J 6909 H	Clamp for Clutch Throw-Out Rod on Tractor Hitch (4 used)
H 2898 H	Hand Rail for Operator's Platform	JD 980 H	Caster Wheel (No Cut)
H 2899 H	Upright Support Angles for Operator's Platform Hand Rail (2 used)	JD 2105 D	Caster Wheel Nut
H 2922 H	Bundle Elevator Drive Chain (18 Links, No. 62 Steel) (No Cut)	JD 2502 A	Grease Cap for Wheel
H 3123 H	Bar on Main Frame for Drag Pipe Connection (Special when R. H. Main Wheel is Set Out 16-1/2") (No Cut)	JD 2728 H	Caster Wheel Sleeve
H 4050 H	Elevator Sideboard Front, Lower (3/8" x 6" x 126-1/4")	JD 2756 H	Cap for Pneumatic Tire Caster Wheel (Special)
H 4097 H	Drag Pipe	JD 7759	Alemite Fitting, 1/8" Pipe Thread, Straight (Alemite No. 1610)
H 4222 H	Pin or Drive Staple in Clutch Shaft	JD 7781	Alemite Fitting, 1/8" Pipe Thread Elbow, 90° (Alemite No. 1613)
H 5001 H	Elevator Support Angle Eyebolt with Trunnion	K 350 H	Turnbuckle for Clutch Throw-Out Rod
H 5002 H	Pin, Axle Bracket to Drag Pipe (1/2" x 3-1/4")	Z 895 H	Retaining Collar for Pneumatic Tire Caster Wheel (Special)
H 5003 H	Parallel Rod Bar, Outer	Z 915 H	Wheel for Pneumatic Tire (Special)
H 5004 H	Parallel Rod Bar, Inner	Z 916 H	Flange for Pneumatic Tire Wheel (Special)
H 5016 H	Swivel Support Tie Bolt Pipe	Z 5405 H	Washer on Pneumatic Tire Caster Wheel Axle (2-5/16" x 1-17/32") (Special)
H 5025 H	Elevator Side Center Plate, Rear	WAGON HITCH AND FRICTION RELEASE	
H 5036 H	Elevator Tie Rod, Long (5 used)	No. 699 A	Pin in Caster Wheel Axle (No Cut)
H 5037 H	Elevator Tie Rod, Short (3 used)	AH 756 H	Brake Band with Linings for Safety Release
H 5040 H	Elevator Cross Sill (4 used)	AH 961 H	Axle for Caster Wheel
H 5047 H	Washer for Support Angle Eyebolt (1" x 1-5/8")	AZ 2016 H	Axle for Pneumatic Tire Caster Wheel (Special)
H 5049 H	Washer on Caster Wheel Axle between Bracket and Cotter (2-5/16" x 1-13/32")	AZ 2020 H	Roller Bearing, Complete, for Pneumatic Tire Caster Wheel (Special)
H 5060 H	Bolt, Elevator Support Angle to Eyebolt	B 4314 H	Friction Release Spring
H 5066 H	Elevator Sideboard Brace, Rear Lower and Lower Middle (2 used)	B 4644 H	Eyebolt for Friction Release Spring
H 5068 H	Elevator Sideboard Brace, Front, also Rear Upper (5 used)	B 6169 H	Clevis, Upper for Tractor Drawbar
H 5072 H	Conveyor Chain Slat, Wood only	B 6170 H	Clevis, Lower for Tractor Drawbar
H 5074 H	Elevator Sideboard, Rear, Lower (3/8" x 6" x 138-3/8") (No Cut)	E 2287 H	Felt Washer for Inner Hub on Pneumatic Tire Caster Wheel (2 used) (Special)
H 5075 H	Elevator Sideboard, Rear, Upper (3/8" x 4" x 134-5/8") (No Cut)	H 251 H	Washer, Outer, for Caster Wheel
		H 271 H	Washer, Inner, for Caster Wheel
		H 1748 H	Spring for Friction Release Lever Stop
		H 2378 H	Tractor Pull Bar
		H 2381 H	Throw-Out Rope for Friction Release (No Cut)
		H 2382 H	Bracket for Pulley on Tractor Pull Bar (No Cut)

Cat. No.	Description	Cat. No.	Description
WAGON HITCH AND FRICTION RELEASE—Continued		J 7283 H	Spring Clip on Wood Bar Extension for Friction Release Spring
H 2695 H	Transport Bracket Clamp	J 7284 H	Clamp Strap for Friction Release Throw-Out Rod Support Angle
H 2696 H	Transport Bracket	J 7286 H	Friction Release Band Hinge Bolt through Lower Extension for Wood Bar
H 2704 H	Stop for Friction Release Lever	J 7287 H	Guide for Friction Release Brake Band
H 2705 H	Wood Bar Extension, Upper (No Cut)	J 7288 H	Lining for Friction Release (No Cut)
H 2706 H	Bolt for Friction Release Lever Stop	J 7289 H	Trunnion in Friction Release Throw-Out Arm
H 2823 H	Bracket for Caster Wheel Axle	JD 14 A	Pulley on Tractor Pull Bar for Friction Release Rope
H 2962 H	Bracket for Caster Wheel Axle (Pneumatic Tire) (Special)	JD 980 H	Caster Wheel (No Cut)
H 3078 H	Bracket on Tractor Hitch for Wagon Hitch	JD 2105 D	Caster Wheel Nut
H 3079 H	Clamp for Wagon Hitch Bracket on Tractor Hitch	JD 2502 A	Grease Cap for Caster Wheel
HZ 171 H	Horned Nut on Friction Release Band Hinge Bolt	JD 2728 H	Caster Wheel Sleeve
J 314 H	Truss Rod Turnbuckle (2 used)	JD 2756 H	Cap for Pneumatic Tire Caster Wheel (Special)
J 726 H	Bracket for Friction Release Pulley	Z 895 H	Retaining Collar for Pneumatic Tire Caster Wheel (Special)
J 727 H	Friction Release Pulley for Wagon	Z 915 H	Wheel for Pneumatic Tire (Special)
J 728 H	Stud for Wagon Friction Release Pulley	Z 916 H	Flange for Pneumatic Tire Wheel (Special)
J 3347 H	Hammer Strap on Wagon Pull Bar for Even-er Bar	Z 5405 H	Washer on Pneumatic Tire Caster Wheel Axle (2-5/16" x 1-17/32") (Special)
J 3350 H	Bracket, Wagon Pull Bar to Tractor Draw-bar	SOYBEAN ATTACHMENT	
J 3396 H	Wagon Tongue Pin in Wagon Hitch Extension	H 395 H	Trunnion for Gatherer Extension Point, R. and L. H.
J 3503 H	Bolt, Wagon Hitch to Bracket on Tractor Hitch	H 1579 H	Hook Bolt for Butt Chain Throat Spring
J 3525 H	Pin, Pneumatic Tire Caster Wheel to Axle (3/8" x 2-1/4") (Special)	H 1587 H	Washer on Bolt Attaching Gatherer Extension Point (1-5/16" x 7/16") (No Cut)
J 4589 H	Truss Rod, Inner (2 used)	H 1883 H	Fender Board
J 4965 H	Straps Connecting Wood Bar to Tractor Hitch (2 used)	H 1884 H	Fender Board Brace, Rear
J 4981 H	Pin in Wood Bar Extension for Wagon Tongue	H 1886 H	Throat Spring for Butt Chain
J 4982 H	Spacer Pipe for Wood Bar Extension	H 1891 H	Gatherer Extension Point Shield, L. H.
J 4985 H	Truss Rod, Outer (2 used)	H 1892 H	Gatherer Extension Point Frame, R. and L. H.
J 6978 H	Bracket on R. H. End of Wood Bar for Truss Rod	H 1893 H	Gatherer Extension Point Bracket, R. and L. Hand
J 6979 H	Bracket on L. H. End of Wood Bar for Truss Rod	H 1896 H	L. H. Gatherer Extension Point, Complete
J 6980 H	Stop on Wood Bar Extension	H 1923 H	Gatherer Extension Point Shield, R. H.
J 6982 H	Reinforcing Strap on Outer End of Wood Bar (2 used)	H 1925 H	R. H. Gatherer Extension Point, Complete
J 6983 H	Bracket on Tractor Drawbar for Hitch Angle	H 2627 H	Fender Board Bracket, Front
J 6984 H	Truss Rod Center Support (2 used)	H 2796 H	Bracket for Top of Binder Deck Extension
J 6989 H	Bracket on Rear Side of Wood Bar for Hitch Angle Bolt	H 2797 H	Shield, Lower, for R. H. Gatherer Boards
J 7027 H	Wood Bar, Complete (No Cut)	H 2798 H	Shield, Middle, for R. H. Gatherer Boards
J 7267 H	Wagon Pull Chain (No Cut)	H 2799 H	Shield, Upper, for R. H. Gatherer Boards
J 7269 H	Wood Bar Extension, Lower	H 2818 H	Shield, Lower, for L. H. Gatherer Boards
J 7270 H	Pivot Bracket on Friction Release Band	H 2820 H	Shield, Upper, for L. H. Gatherer Boards
J 7271 H	Pull Bracket on Friction Release Band	H 3114 H	Extension for Binder Deck
J 7272 H	Brake Band for Friction Release	LOW CUTTING ATTACHMENT	
J 7273 H	Support for Friction Release Throw-Out Arm	H 77 H	Gatherer Chain Tightener Stud
J 7277 H	Adjusting Hook Bolt for Friction Release Band	H 421 H	Extension Butt Chain Idler Stud
J 7278 H	Pivot Pin for Friction Release Band (3/4" x 1-1/2")	H 439 H	Spacer for Butt Guide Plate
J 7279 H	Roller for Wagon Tongue in Wood Bar Extensions	H 633 H	Gatherer Chain Tightener Sprocket
J 7280 H	Strap from Throw-Out Lever to Spring Arm	H 648 H	Upper Throat Spring Filler
J 7282 H	Friction Release Throw-Out Arm	H 699 H	Extension Butt Chain Idler Sprocket
		H 700 H	Extension Butt Chain Drive Sprocket
		H 1224 H	Bracket on Butt Chain Board Extension
		H 2061 H	Stripper on Butt Chain Board Extension
		H 2073 H	Extension Gatherer Chain (No Cut)
		H 2079 H	Side Knife, Inner
		H 2080 H	Side Knife, Outer
		H 2082 H	Low Cut Knife

Cat. No.	Description	Cat. No.	Description
LOW CUTTING ATTACHMENT			
—Continued			
H 2083 H	Corn Butt Guide Plate	H 2411 H	Stripper for Upper Gatherer Chain
H 2086 H	Knife Support Shoe	H 2412 H	Gatherer Chain Guide Board, Lower
H 2422 H	Lower Throat Spring	H 2420 H	Gatherer Chain, Lower (12 No. 7-D Lug Links and 49 No. 7 Malleable Links) (No Cut)
H 2423 H	Upper Throat Spring	H 2421 H	Gatherer Chain, Upper (16 No. 7-D Lug Links and 66 No. 7 Malleable Links) (No Cut)
H 2424 H	Clamp for Upper Throat Spring	H 2632 H	Angle Brace from Binder Support Angle to Main Frame Middle Cross Sill
H 2425 H	Knife Support Bracket	H 2633 H	Clamp for Angle Brace on Main Frame Middle Cross Sill
H 2426 H	Inner Gatherer Chain Guide Board, Upper	H 2634 H	Brace from L. H. Gatherer Top Sheet, Upper, to Support Pipe
H 2890 H	Butt Chain Board, Upper	H 2635 H	Brace, for L. H. Gatherer Top Board Bracket, Lower
HZ 6288 H	Washer for Extension Butt Chain Drive Sprocket	H 2636 H	Brace, for R. H. Gatherer Top Board Bracket, Lower
TALL CORN ATTACHMENT		H 2637 H	R. H. Gatherer Top Board Upper Bracket Brace (2 used)
AH 741 H	Bundle Guide Rod, Complete, L. H. (No Cut)	H 2658 H	Long Gatherer Board (No Cut)
AH 995 H	Bolt, Support Pipe for R. H. Gatherer Board to Breast Plate Support Angle (No Cut)	H 2666 H	Gatherer Top Sheet, R. H., Middle (No Cut)
AH 1132 H	Tapered Pin for Gatherer Chain Drive Sprocket (No Cut)	H 2815 H	Brace from Guide Rod Bracket on R. H. Gatherer Board to Support Pipe
B 4659 H	Roller Bearing, Complete for Gatherer Chain Drive Shaft	H 2816 H	R. H. Gatherer Top Chain Board
H 77 H	Stud for Lower Gatherer Chain Tightener Sprocket	H 2888 H	Brace for R. H. Gatherer Support Pipe
H 381 H	Upper Gatherer Chain Tightener Bracket	H 2952 H	Gatherer Chain Drive Shaft (No Cut)
H 616 H	Box for Gatherer Chain Drive Shaft	H 3119 H	Support Pipe for R. H. Gatherer Board (No Cut)
H 632 H	Upper Gatherer Chain Idler Sprocket	H 3120 H	Lower Extension for R. H. Gatherer Board Support Pipe (No Cut)
H 633 H	Lower Gatherer Chain Idler Sprocket	J 529 H	Chain Tightener Cam for Lower Gatherer Chain
H 684 H	Universal Joint for Shaft in Gear Bracket and Drive Shaft on Binder	J 7065 H	Lower Gatherer Chain Adjusting Bracket
H 687 H	Universal Joint Connection (2 used)	PINS	
H 776 H	Gatherer Chain Drive Sprocket (2 used)	B 5735 H	Gatherer Drive Gears to Main Drive Shaft (1/4" x 2-1/4")
H 1201 H	Throat Spring (3 used)	B 6934 H	Compressor Bell Crank Roller Stud
H 1241 H	Drive Shaft Box Bracket on Board	E 2771 H	Collar to L. H. End of Main Drive Shaft (1/4" x 2")
H 1242 H	Top Chain Stripper	H 1155 H	Needle Roller to Needle (1/4" x 3/4")
H 2212 H	Bundle Top Discharge Arm	H 1327 H	Drive Knuckle to Gatherer Drive Shafts; Bundle Carrier Driven Sprocket to Shaft; Hub for Main Drive Sprocket to Flywheel Shaft; Bundle Carrier Drive Sprocket to Flywheel Shaft; Binder Trip Finger to Bracket (5/16" x 2")
H 2386 H	Gatherer Chain Guide Board, Upper	H 1681 H	In Pan Raising Bar (Shoulder Rivet)
H 2387 H	Throat Spring Bracket (3 used)	H 1707 H	B253H to Binder Lock Bracket (3/8" x 1-11/16")
H 2389 H	Gatherer Top Sheet, Lower, R. H. (No Cut)	H 1745 H	Twine Tension Roller Pin (3/8" x 1-7/8")
H 2391 H	Gatherer Top Sheet, Upper, R. H. (No Cut)	H 1828 H	Twine Tension Roller Pin, Front (3/8" x 2-1/8")
H 2392 H	Shield from Top Gatherer Board, R. H., to Top Chain Board (No Cut)	H 2208 H	In Lower Packer Link (9/16" x 2-3/4") (No Cut)
H 2393 H	Gatherer Top Sheet, Lower, L. H. (No Cut)	H 2209 H	In Middle and Upper Packer Link (9/16" x 2-1/2") (Upper only, Short Corn) (No Cut)
H 2394 H	Gatherer Top Sheet, Upper, L. H. (No Cut)	H 2267 H	In Knotter Frame for Knotter Cam (3/8" x 1-3/16")
H 2395 H	R. H. Gatherer Board Support Bracket, Lower	H 2588 H	Pin Bundle Carrier Drive Gears in Gear Housing to Shaft (5/16" x 1-3/4" Drilled) (No Cut)
H 2396 H	R. H. Gatherer Board Support Bracket, Middle	H 2830 H	Gatherer and Butt Chain Slip Clutch Adjusting Collar Pin (Nickel Steel) (1/4" x 1-1/2")
H 2397 H	Bracket, Lower, for R. H. Gatherer Top Sheet		
H 2398 H	Bracket, Middle, for R. H. Gatherer Top Sheet		
H 2399 H	Bracket, Upper, for R. H. Gatherer Top Sheet		
H 2400 H	Bracket, Lower, for L. H. Gatherer Top Sheet		
H 2401 H	Bracket, Middle, for L. H. Gatherer Top Sheet		
H 2402 H	Stiffener for Upper End of L. H. Gatherer Top Sheet (2 used)		
H 2405 H	Bracket, Upper, for L. H. Bundle Guide Rod		
H 2406 H	Bracket, Upper, for R. H. Bundle Guide Rod		
H 2408 H	Bracket, Lower, for R. H. Bundle Guide Rod		
H 2410 H	Support Pipe for L. H. Gatherer Top Sheet		

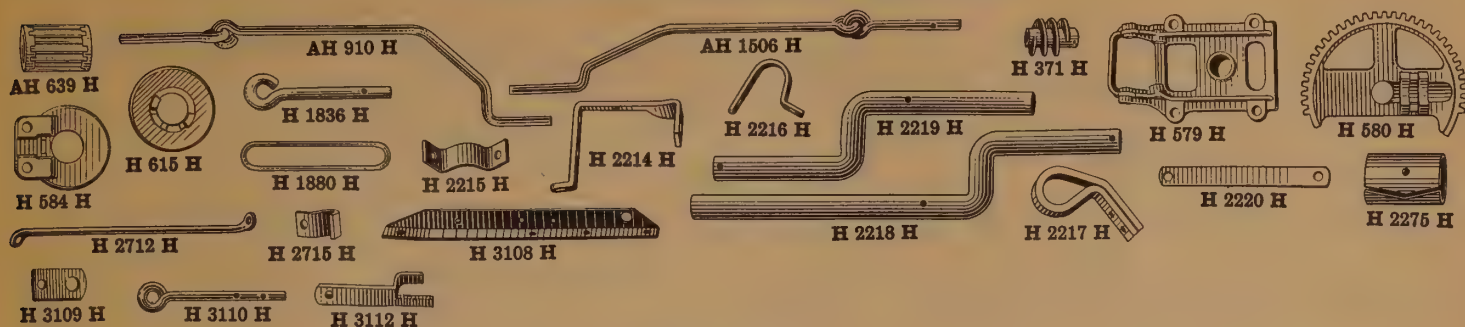
Cat. No.	Description	Cat. No.	Description
PINS—Continued		KEYS	
H 3061 H	Pin for Rollers in Butt Chain and Gatherer Chain Slip Clutches (5/16" x 1-1/2") (No Cut)	H 3130 H	Key for Power Discharge Arm and Tyer Wheel (2 Screw Holes) (No Cut)
HZ 5285 H	Trip Dog to Trip Dog Pinion (with Shoulder)	H 3131 H	Key for Upper Discharge Arm (1 Screw Hole) (No Cut)
HZ 5443 H	Bundle Carrier Clutch Shifter to Support (5/16" x 1-3/4") (No Cut)	HZ 5877 H	Binder Drive Clutch to Packer Crank (1/4" x 1/4" x 1-1/2")
HZ 5446 H	H371H to Main Wheel Raising Crank Eye-bolt; In Knotter Shaft; H656H and H661H to Compressor Shaft (1/4" x 1-3/4")	HZ 5884 H	Lever to Compressor Shaft (5/16" x 5/16" x 2-3/4") (No Cut)
HZ 5450 H	Roller to Trip Dog (3/8" x 1-1/4")	HZ 5887 H	Discharge Arm Hubs to Knotter Shaft; Needle and Cam Gears to Shaft; Sprocket Hub to Main Drive Shaft; Packer Shaft Drive Sprocket to Shaft; Bevel Pinion to Pitman Shaft; Bevel Gear to Main Drive Shaft (5/16" x 3/8" x 2-1/2")
HZ 5530 H	B130H to Knotter Hook; HZ5167H to Twine Holder Disk; HZ182H to Knotter Worm (3/16" x 15/16")	HZ 6549 H	B529H and B597H to Binder Diagonal Shaft; Driven Gears to Gatherer Drive Shaft, Lower (1/4" x 1/4" x 2") (No Cut)
HZ 7112 H	Tractor Hitch Connection (5/8" x 2-1/2")	BOLTS	
J 3884 H	Pin for Butt Chain Link	AH 1132 H	Gatherer Chain Drive Sprockets to Shaft (5/16" x 2-1/2") (No Cut)
J 4238 H	Pin, Gatherer Ball Race Cover to Shaft (5/16" x 2-1/4") (No Cut)	AH 1220 H	Bolt with HZ229H Horned Nut, Breast Plate to Support Angle (No Cut)
J 4258 H	Pin in End of Needle Shaft (No Cut)	AH 1225 H	Bolt with Z7168 H Horned Nut, Breast Plate to Support Angle (Short Corn)
J 4319 H	Thrust Bearing Collar to Power Shaft (5/16" x 2")	AH 1421 H	Bolt for Knotter Cam Adjusting Collars (3/8" x 3") (No Cut)
J 5794 H	Main Drive Gear and Pinion in Gear Case (Nickel Steel) (5/16" x 2-3/4")	AP 9675 H	Lug Bolt for Pneumatic Tire Wheel (5 used) (Special) (1/2" x 3")
J 7244 H	Pin for Gatherer Drive Knuckle (5/16" x 2-3/16") (No Cut)	B 6263 H	Twine Tension Spring Bolt with B251H Horned Nut (3/8" x 3-11/16")
WASHERS		H 2266 H	Bolt, Knotter Cam to Frame (5/16" x 1-3/4")
B 4302 H	Lock Washer for 5/16" Bolt	H 2725 H	Bundle Carrier Inner Support Stud (Goes to Main Frame)
B 5847 H	On Packer Shaft between Trip Dog Pinion and Clutch; also between Pinion and Binder Frame (1-1/2" x 1-1/32")	H 2810 H	In H704H Trip Finger (5/16" x 1") (No Cut)
B 5848 H	On Needle Shaft between Needle and Frame (2-1/8" x 1-11/32")	J 3419 H	Tractor Hitch Clevis (3/4" x 3")
B 5977 H	Power Shaft Slip Clutch Spring Thrust Washer (2" x 2-7/8")	SETSCREWS	
B 6818 H	Washer on Stud for Packer Shaft Drive Gear and Sprocket Hub (2-1/4" x 1-1/32")	B 5757 H	H720H Packer Crank Lower Box to Binder Frame; Cap for Binder Drive Gear Stud to Binder Frame (1/2" x 1-1/4")
H 1306 H	On Bundle Carrier Clutch Shaft at End of Pinions in Gear Case (1-1/2" x 29/32")	B 6432 H	In Binder Lock Bracket (3/8" x 1-3/4")
H 1308 H	On Main Drive Shaft at Ends of Boxes (2-3/4" x 1-9/32")	B 6503 H	Cap to Main Drive Bevel Gear Housing (3/8" x 1-1/2") (No Cut)
H 1310 H	On Packer Crank between H720H and Thrust Collar on Crankshaft	H 1148 H	In Gatherer Drive and Driven Gear; in Spacers on Compressor Shaft (3/8" x 1/2")
H 1587 H	For Top Gatherer Chain Tightener Sprocket (1-5/16" x 7/16") (No Cut)	H 1555 H	H791H Trip Finger to Shaft (5/16" x 7/8")
H 2272 H	Main Wheel Axle Washer (3-3/4" x 1-9/16") (No Cut)	H 2353 H	Cap Screw for Main Drive Housing Cover (5/16" x 7/8") (No Cut)
H 2730 H	On Packer Shaft Drive Gear Stud between Gear and Frame; on Packer Crank between H720H and Pinions and Ends of Drive Gear Stud Box (1-3/4" x 1-1/32") (No Cut)	H 2848 H	In Binder Drive Gear (3/8" x 5/8") (No Cut)
HZ 5177 H	Washer on Pitman Stud in Needle Shaft (1-5/32" x 1-3/4")	H 2849 H	In Binder Drive Gear (3/8" x 1") (No Cut)
HZ 5178 H	On Right- and Left-Hand Gatherer Shaft, Lower, between Pinions and Gear Brackets (1-5/16" x 29/32")	H 3082 H	Discharge Arm Sleeve and Hub to Shaft (1/2" x 1-1/8") (No Cut)
HZ 5399 H	For Knotter (1" x 39/64")	H 3132 H	Drive Screw for Knotter Shaft Keys (5 used) (No Cut)
HZ 6006 H	On Flywheel Shaft between Flywheel and Front Box (2" x 1-9/32")	HZ 5606 H	HZ5159H Twine Holder Spring (3/8" x 1")
HZ 6363 H	Lock Washer for 3/8" Bolt	J 4175 H	Packer Shaft Drive Sprocket to Main Drive Shaft, 1/2" x 1"
Z 5314 H	Lock Washer for 1/2" Bolt	SPRINGS FOR:	
Z 5579 H	For Cam Gear on Knotter Shaft (2" x 1-5/32")	54S	Tilting Lever
		55S	Spring for Tractor Control Butt Pan Lever (Special) (11/16" x 2-1/4")

REPAIR LIST FOR JOHN DEERE POWER DRIVEN CORN BINDER

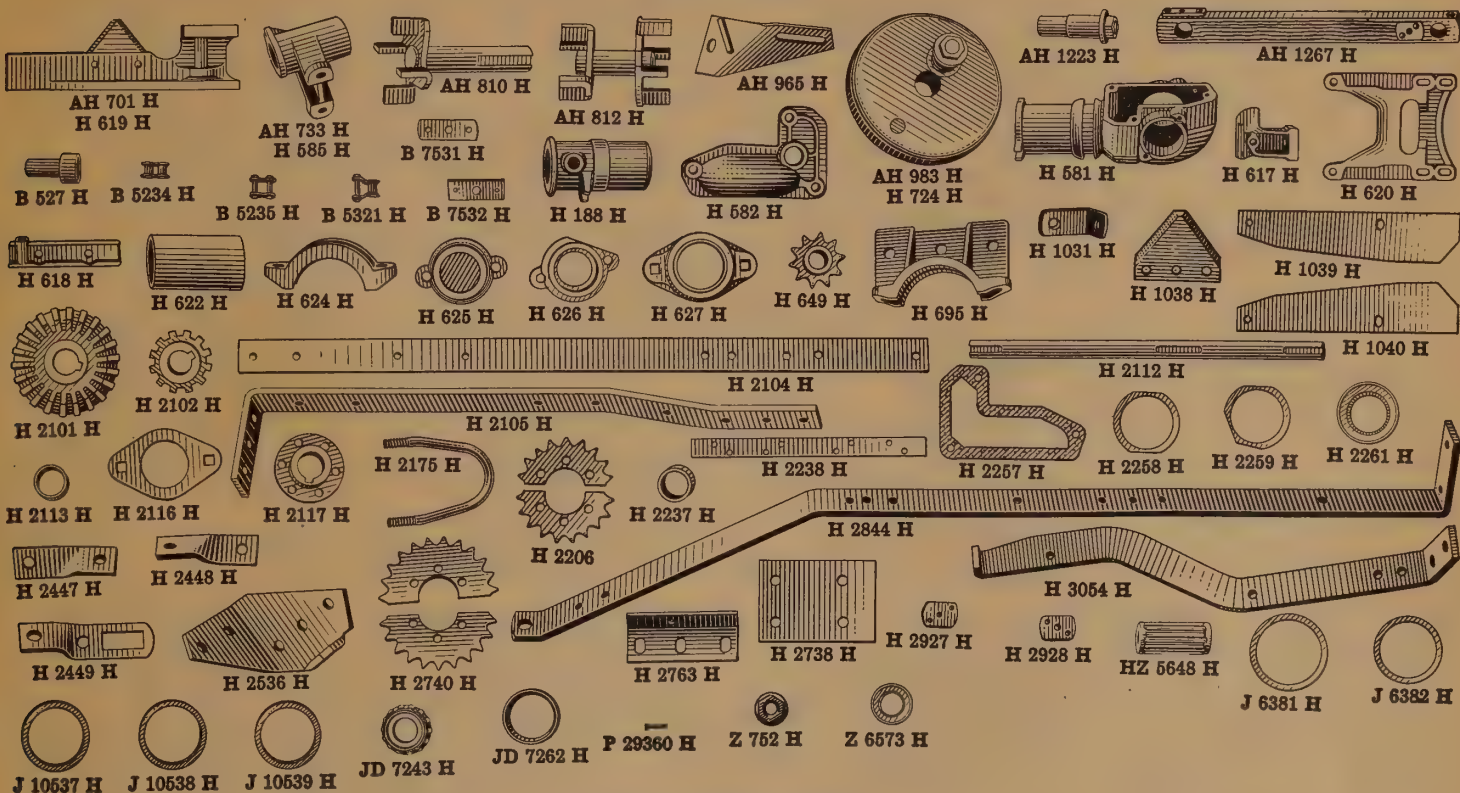
Cat. No.	Description	Cat. No.	Description
	SPRINGS FOR:—Continued		
B 6091 H	Power Drive Slip Clutch (2" x 3-7/8") (6 Coils)	H 4240 H	Bundle Carrier Clutch Spring (2-7/16" x 4-1/4") (6 Coils)
B 6111 H	Compressor Yoke (Short)	HZ 5198 H	Pan Raising Lever Plunger (19/32" x 1-7/8") (8 Coils)
B 6316 H	Trip Dog	HZ 5220 H	Knotter Hook Cam (5/8" x 1") (6 Coils)
H 1163 H	Compressor Yoke (Long) (1" x 6-3/16") (20 Coils)	HZ 6185 H	Binder Trip Spring (3/4" x 3-3/4") (14 Coils)
H 1748 H	Twine Tension (1/2" x 1-3/4") (9-1/2 Coils)	J 3452 H	Butt Chain and Gatherer Chain Slip Clutches (No Cut)
H 2782 H	Binder Lock (7/16" x 2-5/8") (11 Coils) (No Cut)	Z 5363 H	Bundle Carrier Conveyor Chain Tightener Spring (1-1/32" x 4-1/4") (14 Coils)

For Cuts of Repair Parts, see page 86.

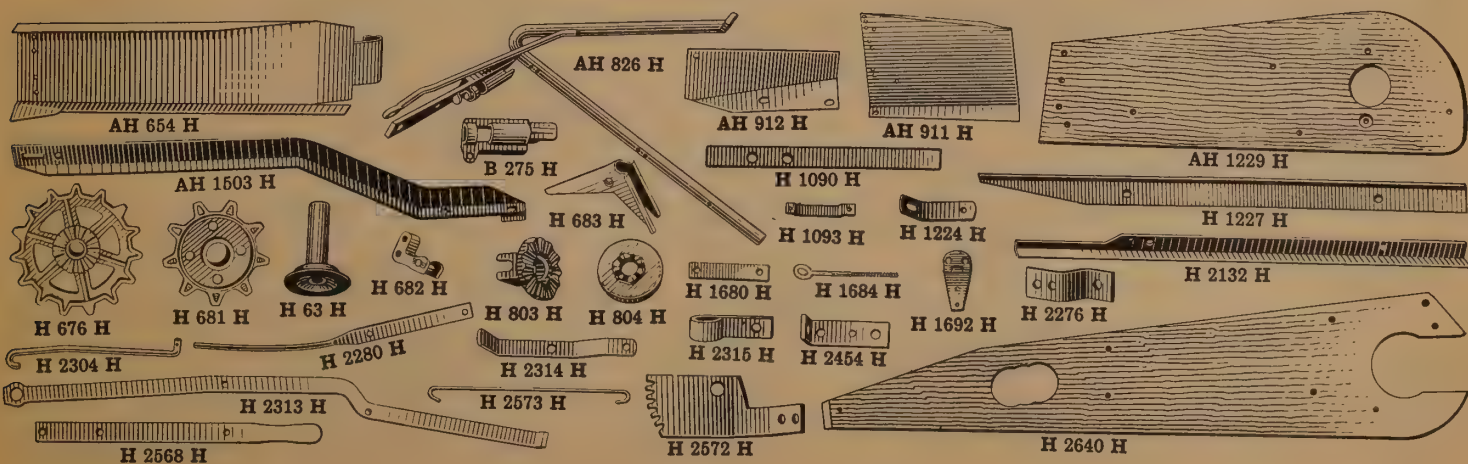
Main Wheels, Axles and Raising Parts



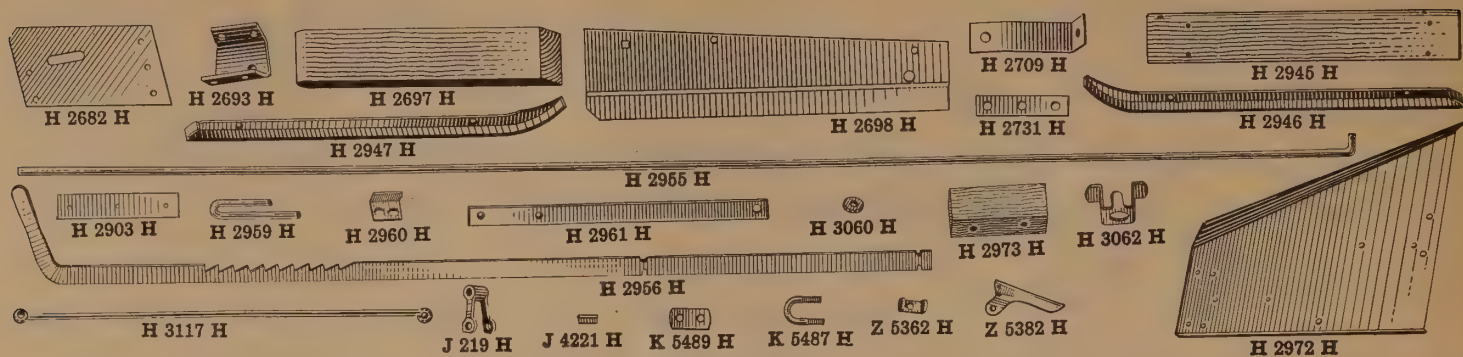
Main Frame



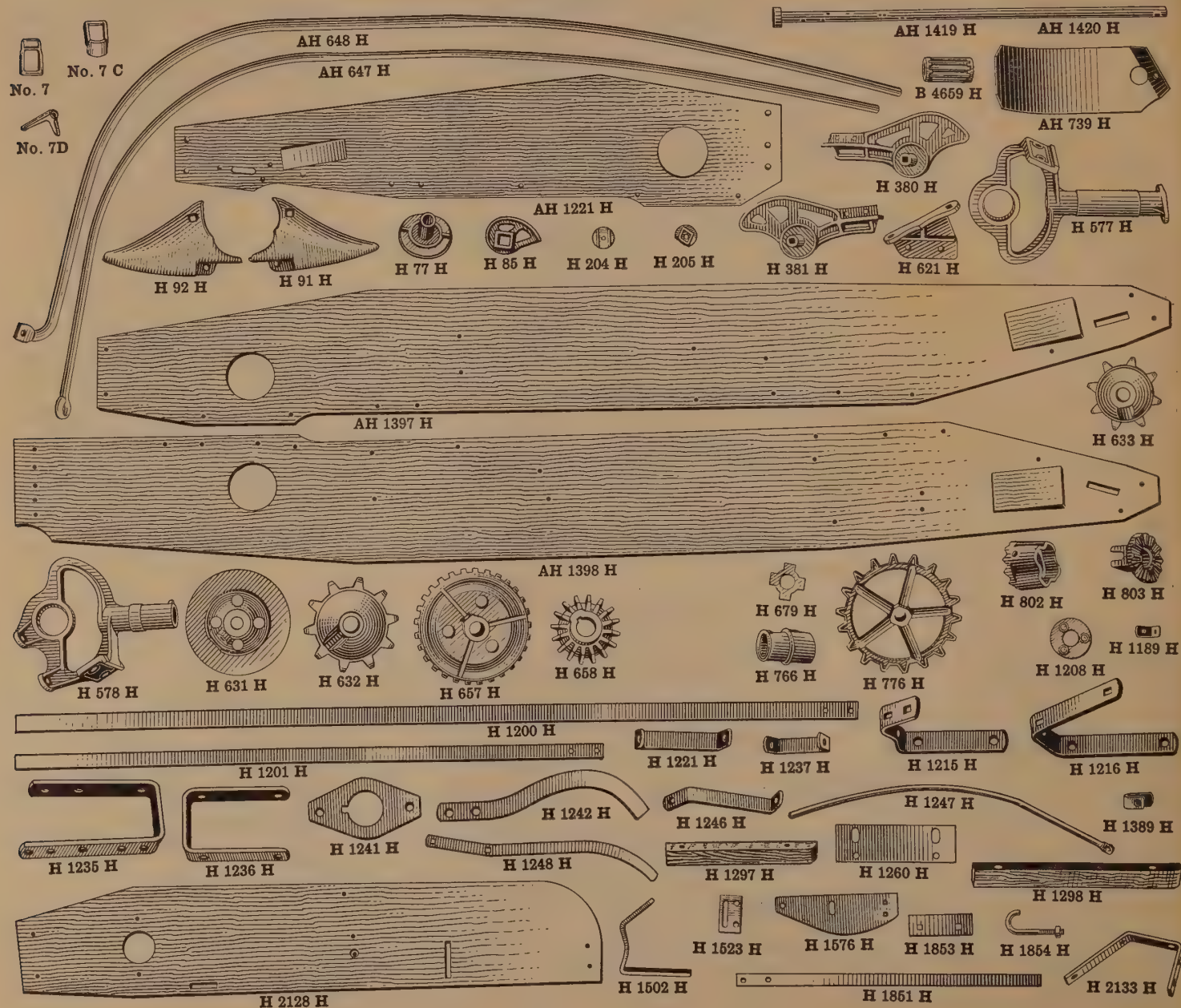
Pan and Butt Chain



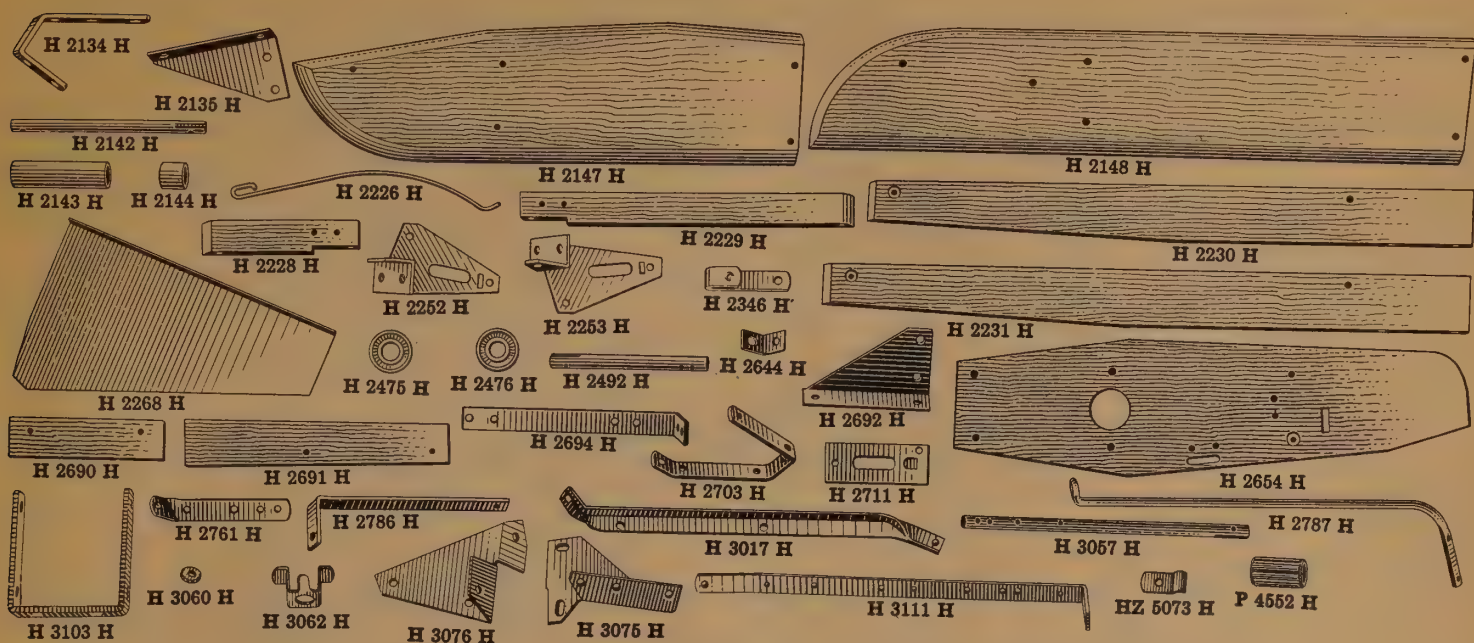
Pan and Butt Chain—Continued



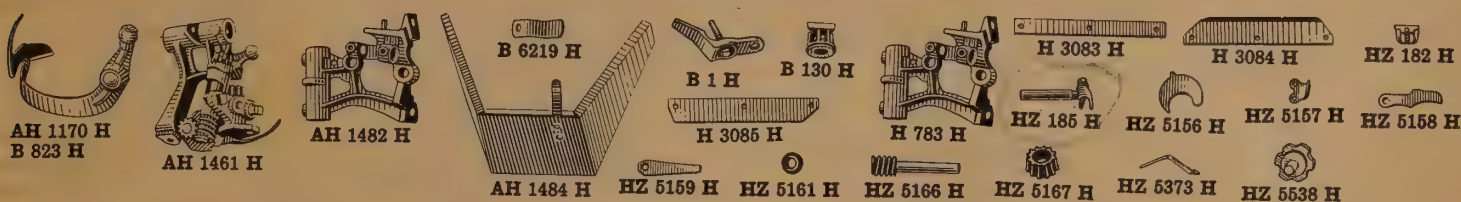
Gatherers



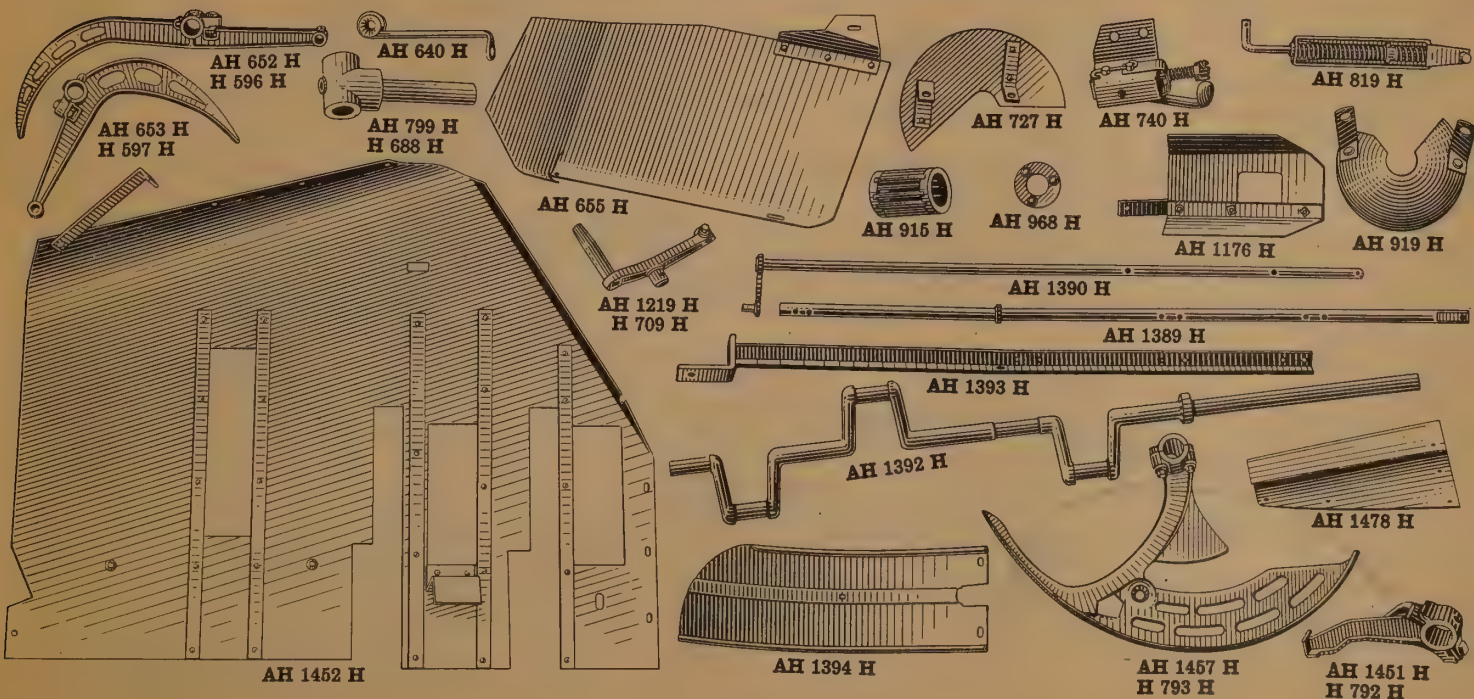
Gatherers—Continued



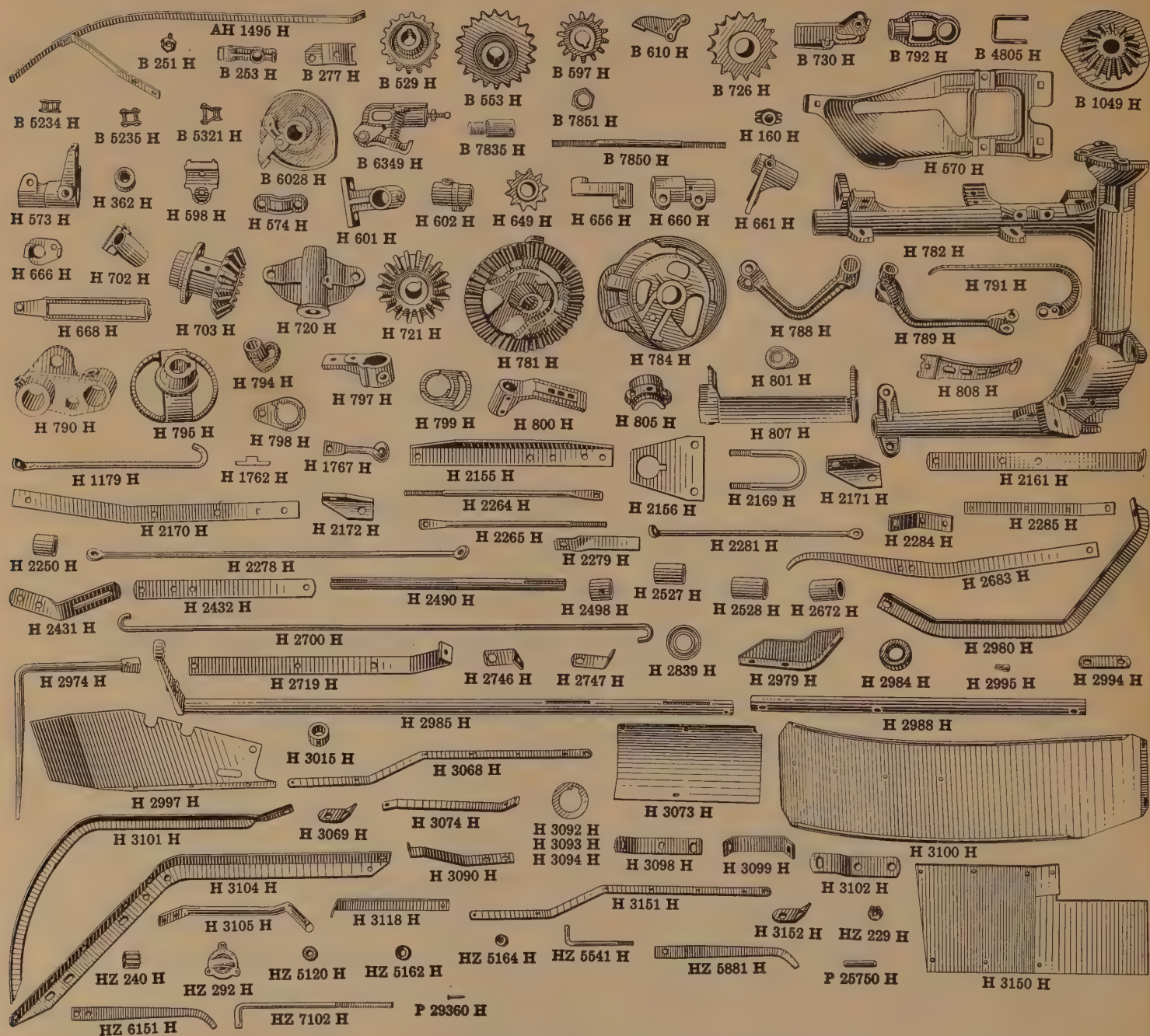
Knotter



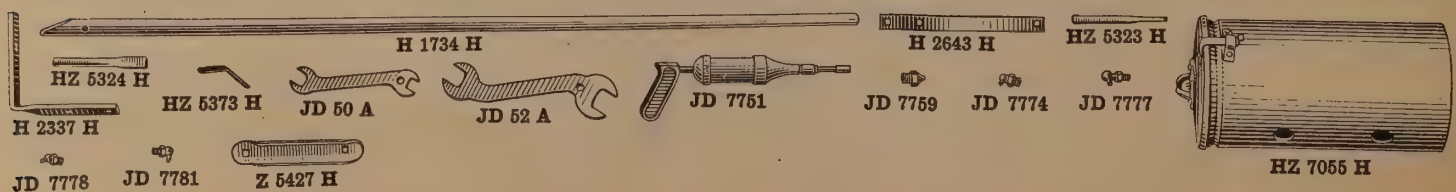
Adjustable Binder Attachments—(Needle and Knotter adjustable to high position for long corn or low position for short corn)



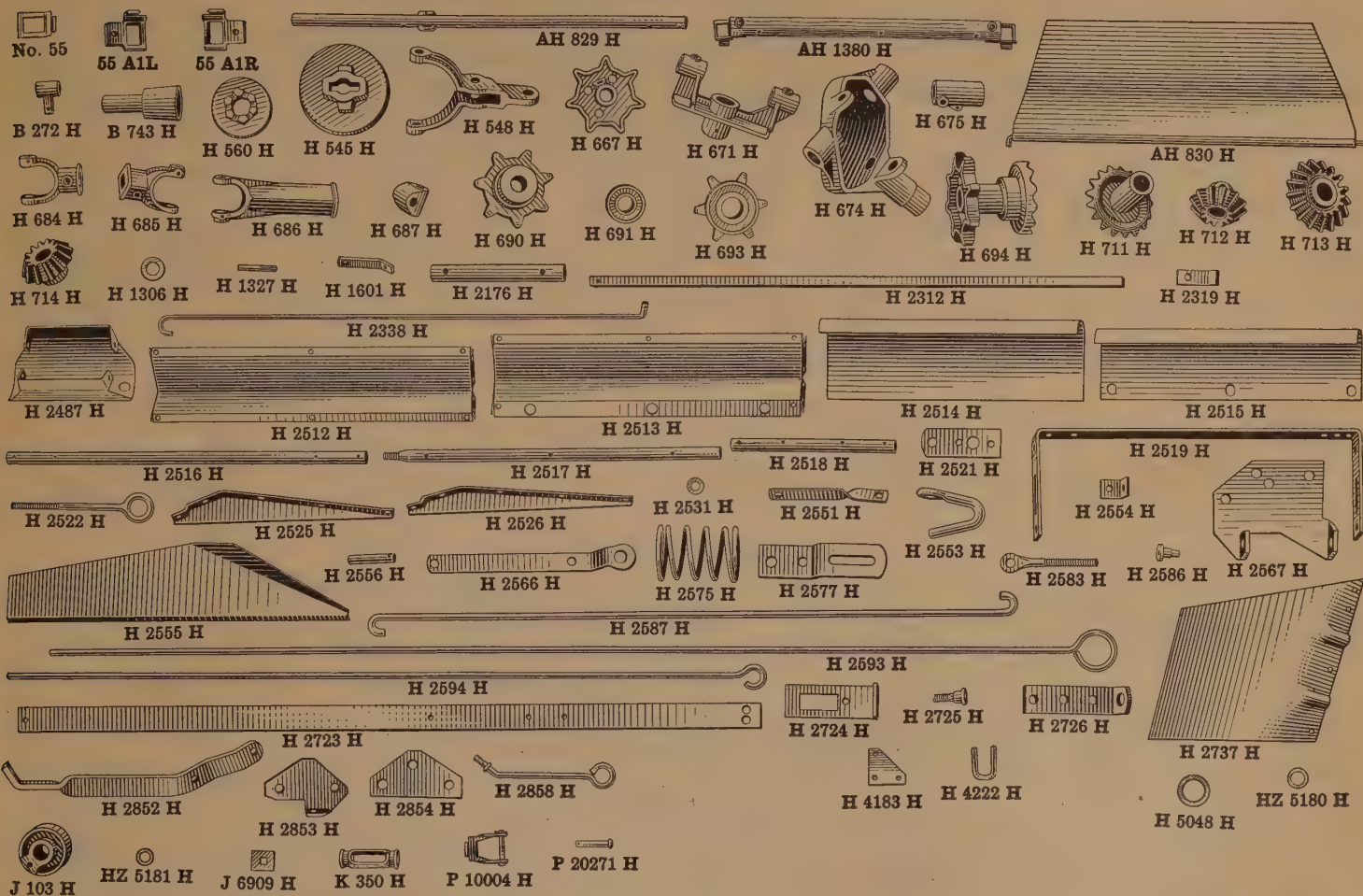
Adjustable Binder Attachments (Needle and Knotter adjustable to high position for long corn or low position for short corn)—Continued



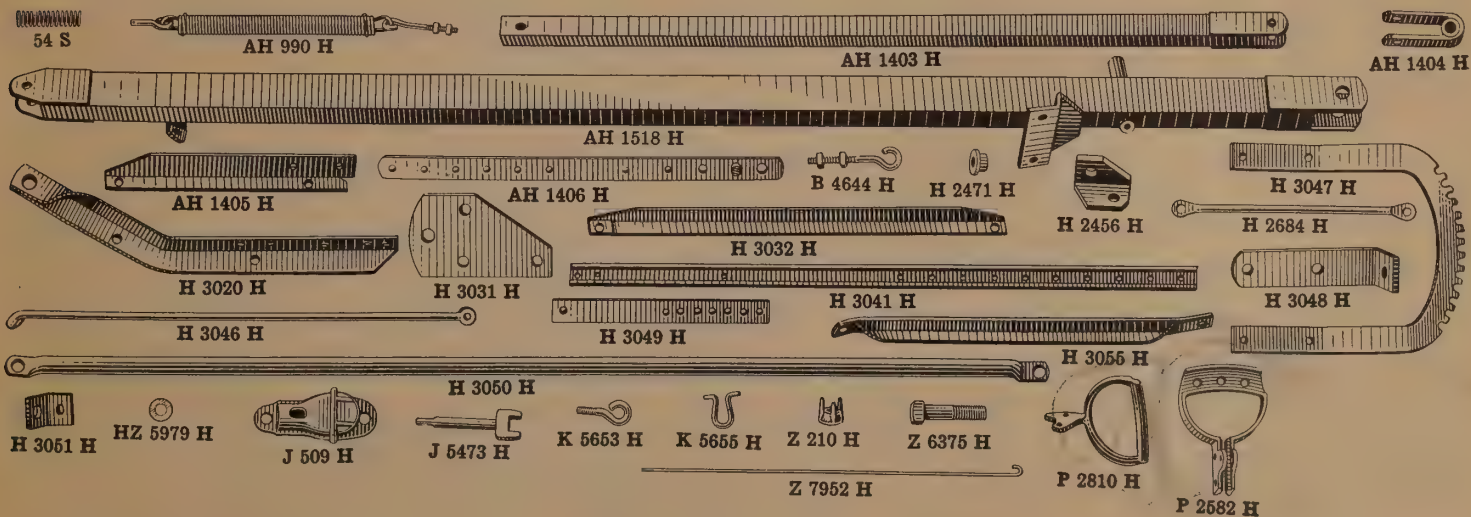
Miscellaneous



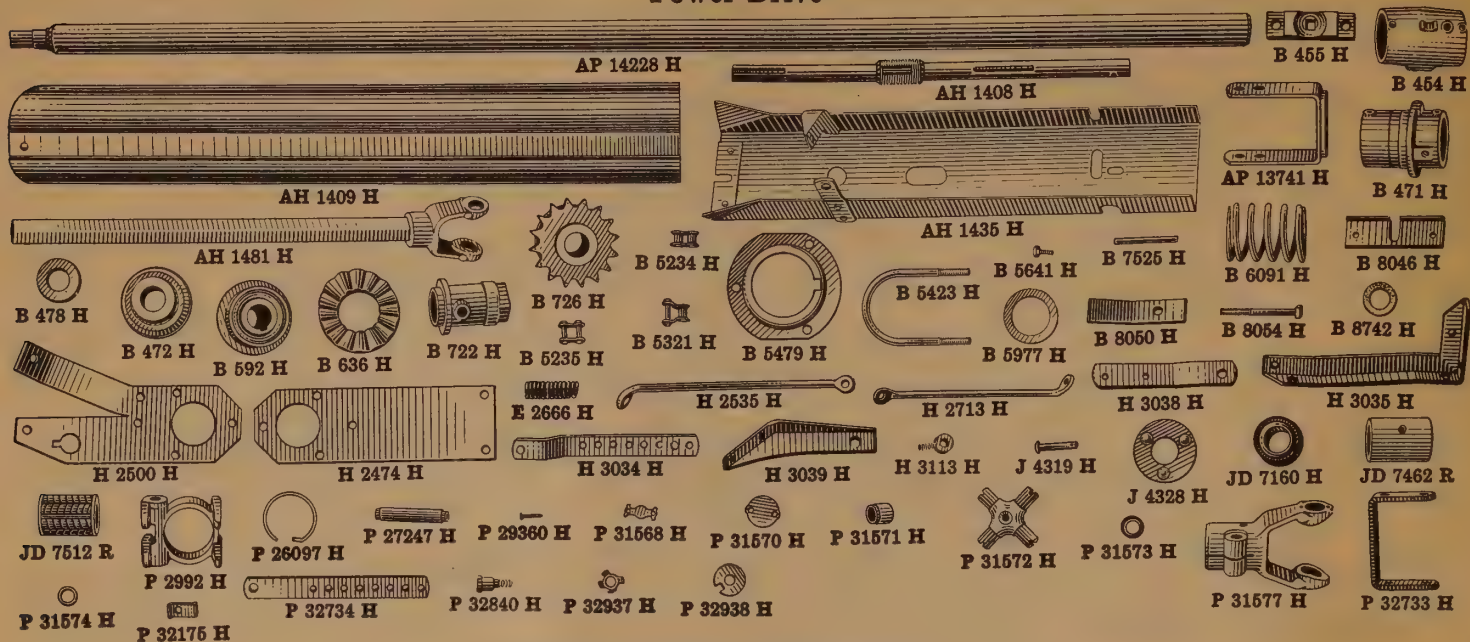
Power Bundle Carrier



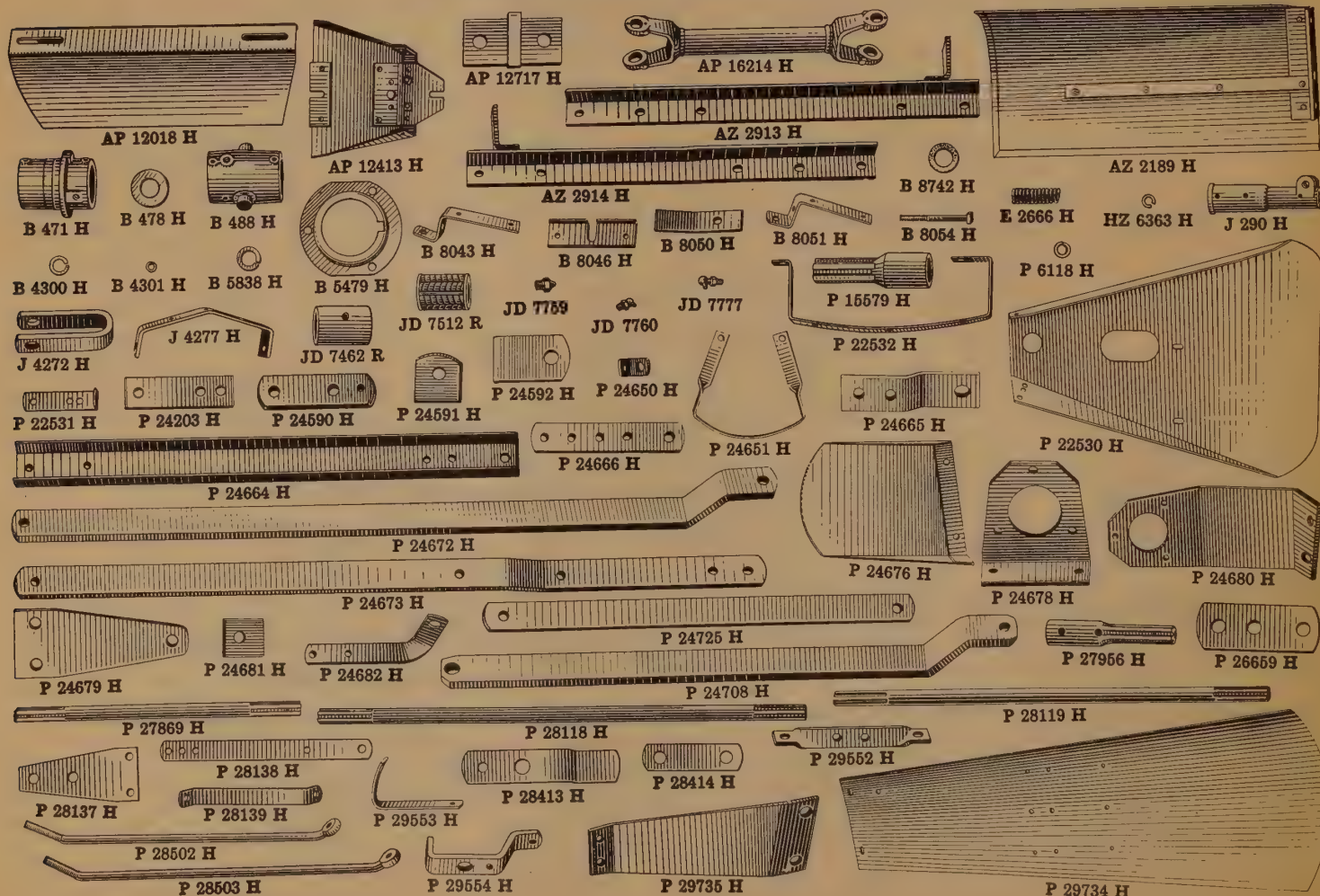
Tractor Hitch and Tilting Lever



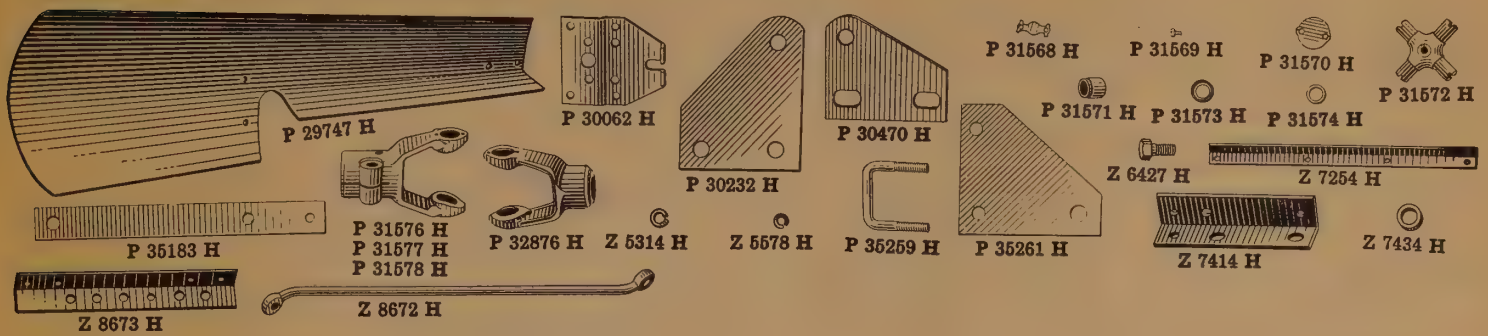
Power Drive



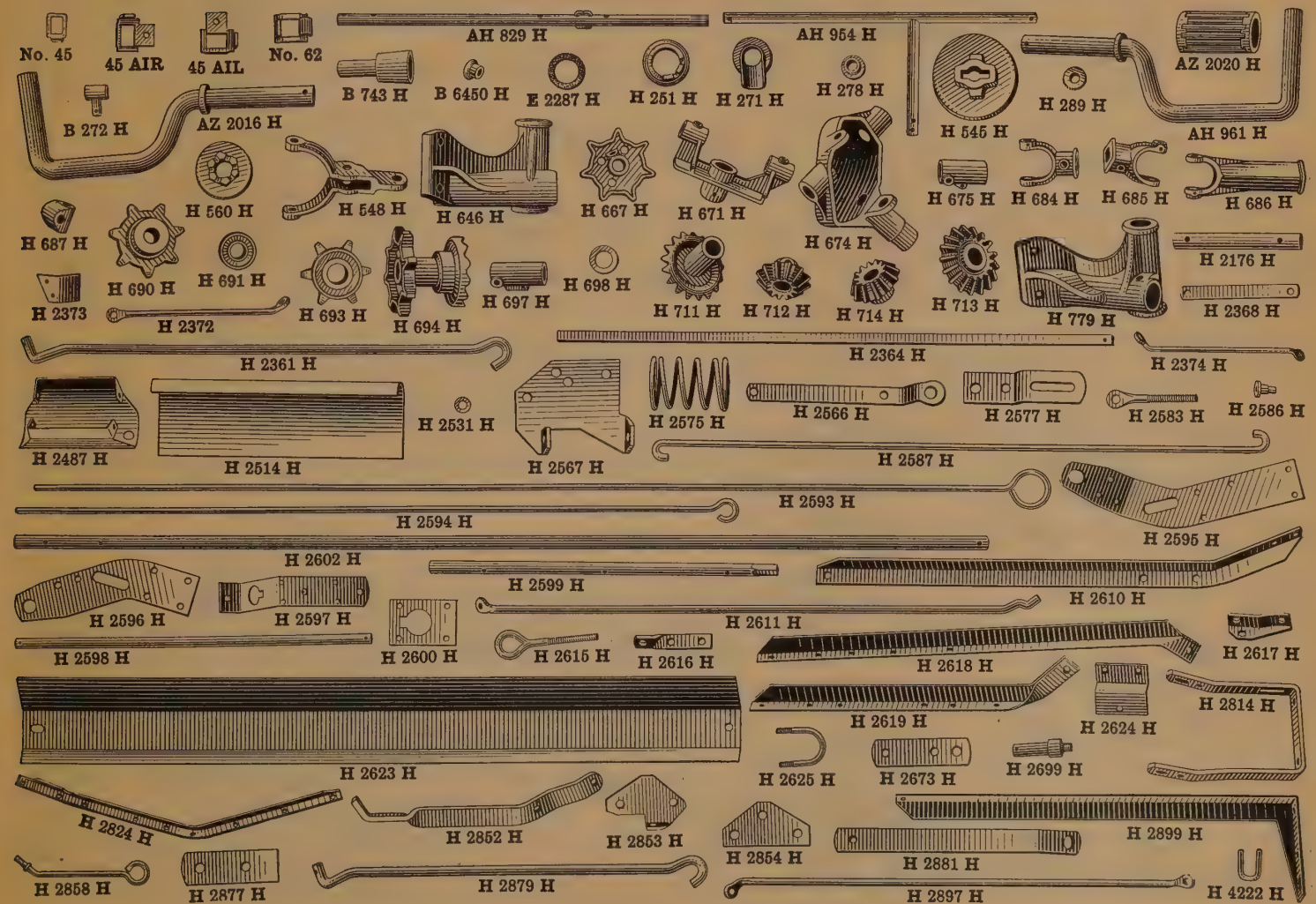
Tractor Hook-Up Equipment



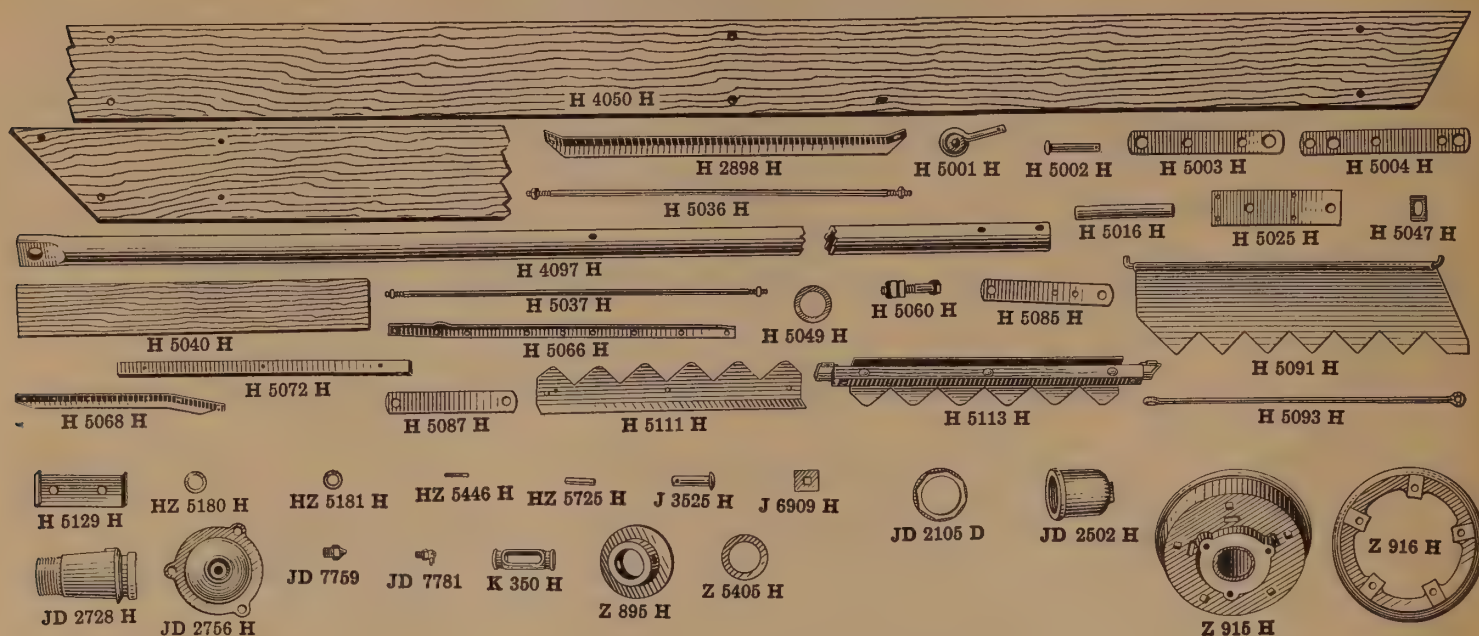
Tractor Hook-Up Equipment—Continued



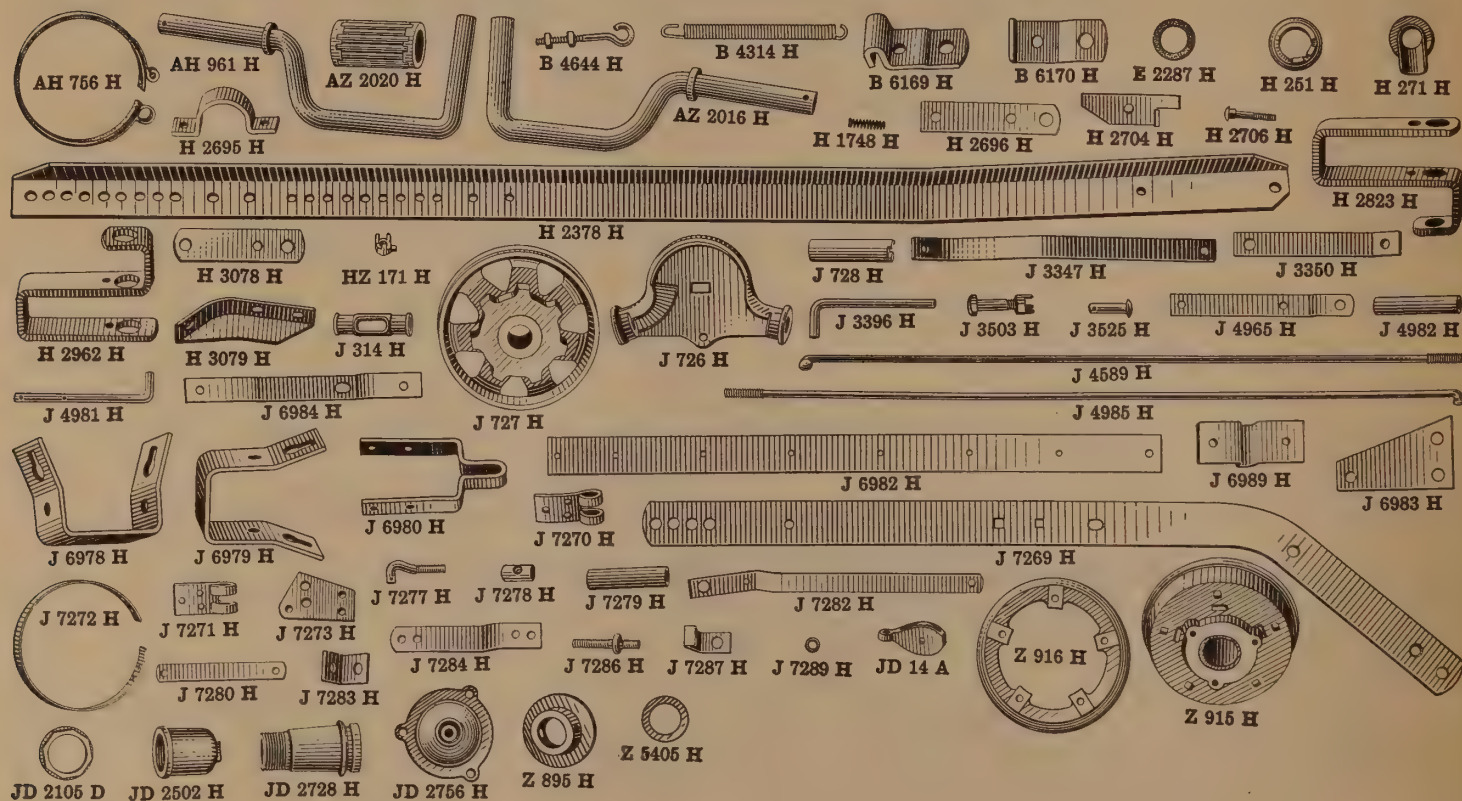
Bundle Elevator



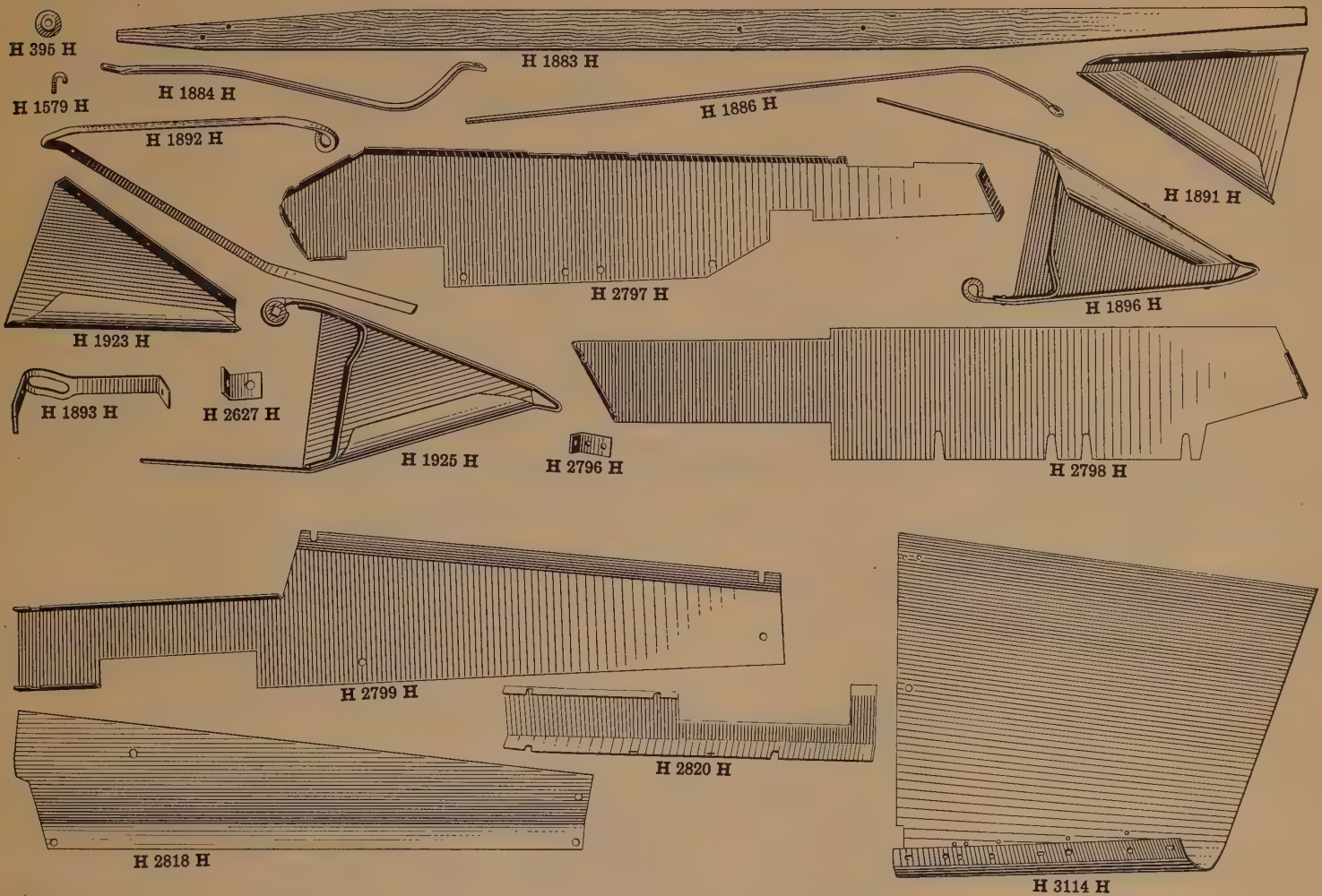
Bundle Elevator—Continued



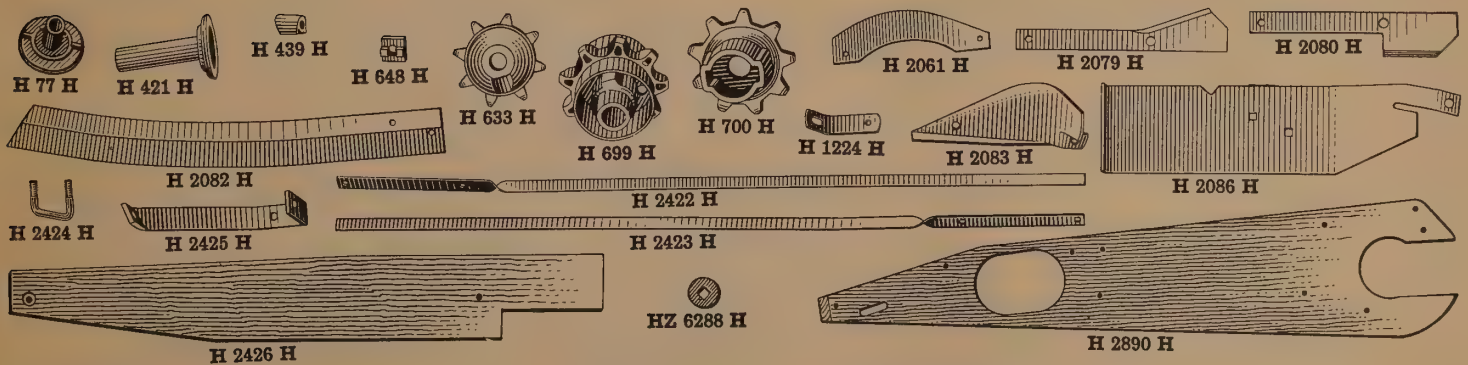
Wagon Hitch and Friction Release



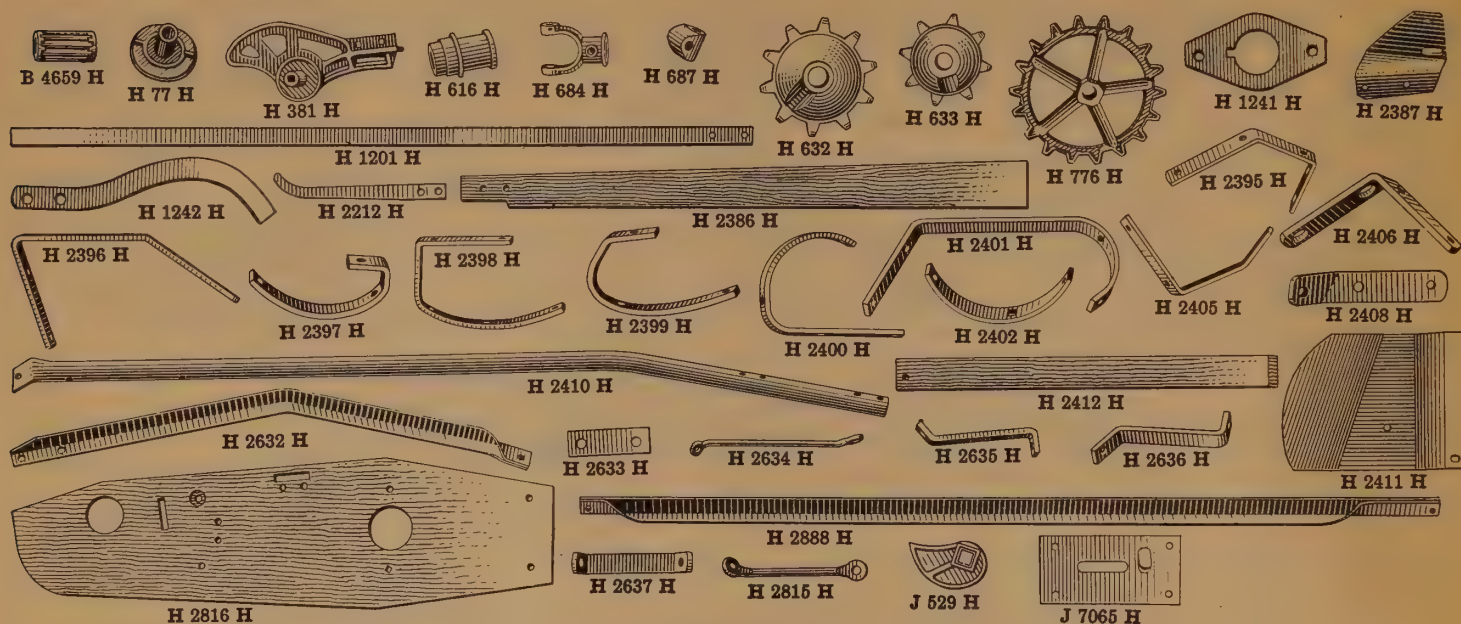
Soybean Attachment



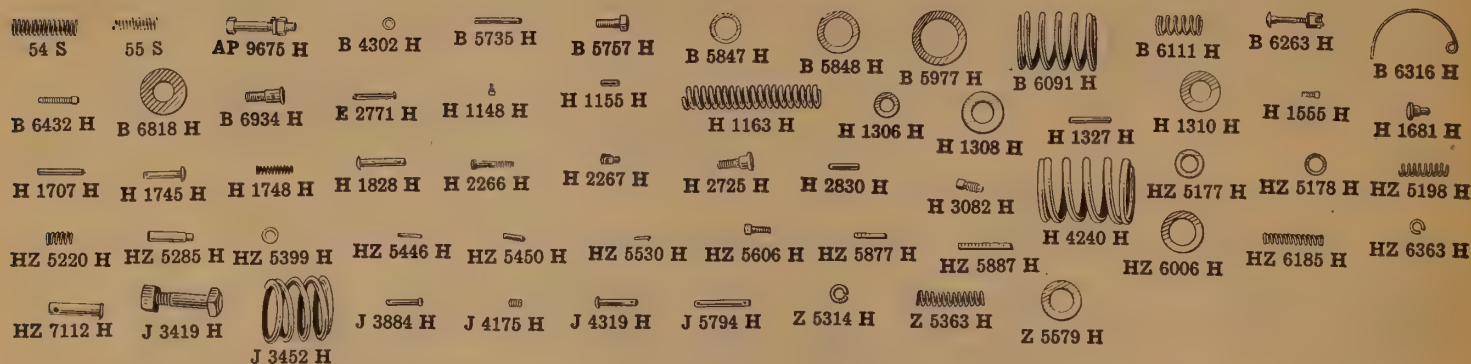
Low Cutting Attachment



Tall Corn Attachment



Pins, Washers, Keys, Bolts, Setscrews and Springs



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J10537 H.	56			P28118 H.	64		65	Z210 H.	61
J10538 H.	56			P28119 H.	64		66	Z752 H.	56
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				P29552 H.	66		65		75
				P29553 H.	65		66	Z5362 H.	56
					66		67	Z5363 H.	76
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							70		73
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					66		68		65
				P29747 H.	64		69		66
				P30062 H.	64		70		67
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Farm Accidents Can Be Prevented with Your Help

No accident prevention program can be successful without the whole-hearted cooperation of the person who is directly responsible for the operation of equipment.

To read accident reports from all over the Country is to be convinced that a large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the harvest field or in the industrial plant, can be safer than the man who is at the controls. If farm accidents are to be prevented—and they can be prevented—it will be done by the operators who accept a full measure of their responsibility.

It is true that the designer, the manufacturer, the safety engineer can help, and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that "the best kind of a safety device is a careful operator." We ask you to be that kind of an operator.

NATIONAL SAFETY COUNCIL

Genuine John Deere Repairs **Protect Your Investment**

WHEN a new part is required for your equipment, order by number as shown on the old part, or as listed in this direction book. And be sure to **INSIST** on **GENUINE JOHN DEERE REPAIR PARTS**. THEY can be procured from any John Deere dealer.

Genuine John Deere parts are made from the same patterns, by the same skilled

workmen, of the same high quality materials as the original parts. They fit properly. They wear better, last longer, and maintain the quality of your equipment throughout all of its long life.

Protect your farm equipment investment through the use of Genuine John Deere repair parts—least expensive because they're best.



